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Immigration Canada

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Immigration Canada

Occupational Analyses Series Floorcovering Installer



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RELATED OCCUPATIONAL TITLES

This analysis covers tasks found in occupations having the following names, as identified by the different provinces and territories of Canada:

Floorcovering
Floorcovering Mechanic
Resilient Flooring Layer

LIST OF OCCUPATIONAL ANALYSES

- * Aircraft Gas Turbine Engine Repair and Overhaul Technician
Aircraft Structural Repair Technician (1992)
Aquaculture Technician (1977)
Arts Administrator (1989)
- ♦ Automotive Partsperson
- ♦ Automotive Service Manager
AUTOMOTIVE SERVICE TECHNICIAN (1990)
- * Automotive Technician - Air-Conditioning, Engine Cooling and Heating
Automotive Technician - Automatic Transmission (1990)
- * Automotive Technician - Diagnostic
Automotive Technician - Electrical/Electronics (1991)
Automotive Technician - Engine Repair and Fuel Systems (1989)
Automotive Technician - Front-End (1989)
Automotive Technician - Manual Transmission, Driveline and Brakes (1990)
BAKER (1991)
Blaster (Surface) (1987)
- + **BOILERMAKER (1978)**
- ♦ **BRICKLAYER AND STONEMASON (1982)**
- * **CABINETMAKER**
- * **CARPENTER (1982)**
Cement Finisher (1983)
CONSTRUCTION ELECTRICIAN (1990)
COOK (1991)
- * Crane Operator (1984) - Next edition will be Red Seal
Electrical Mechanic (1981)
- ♦ **ELECTRONICS TECHNICIAN - CONSUMER PRODUCTS**
Electronics Technician Vol. I (1986)
(Video Equipment)

- Electronics Technician Vol. II (1986)
(Audio Equipment)
- Electronics Technician Vol. III (1986)
(Computer Equipment)
- Electronics Technician Vol. IV (1986)
(Office Equipment)
- Electronics Technician Vol. VI (1986)
(Communication Equipment)
- Electronics Technician Vol. VII (1986)
(Signaling Equipment)
- Electronics Technician Vol. VIII (1986)
(Navigation Equipment)
- Electronics Technician Vol. IX (1986)
(Video Game Equipment)
- Electronics Technician Vol. X (1987)
(CADD Equipment)
- Electronics Technician Vol. XI (1987)
(CAM Equipment)
- Electronics Technician Vol. XII (1987)
(Robotics Equipment)
- Electronics Technician Vol. XIII (1987)
(Biomedical and Laboratory Equipment)
- Electronics Technician Vol. XIV (1987)
(Industrial Process-Control Equipment)
- + Farm Equipment Mechanic (1981)
- FLOORCOVERING INSTALLER (1991)**
- + Glazier (1986) - Next edition will be Red Seal
- * Hairstyling and Barbering (1980) - Next edition will be Red Seal
- Heating (Gas and Oil) Servicer - Commercial and Industrial (1978)
- + **HEAVY EQUIPMENT MECHANIC (1987)**
- Heavy Equipment Operator (1983)
- * Home Builder - Low Rise
- INDUSTRIAL ELECTRICIAN (1987)**
- INDUSTRIAL INSTRUMENT MECHANIC (1988)**
- INDUSTRIAL MECHANIC (MILLWRIGHT) (1988)**
- Informatics (1980)

- ♦ **INSULATOR (HEAT AND FROST)**
Interior Wall and Ceiling Finisher (1978)
- ♦ Ironworker (1977) - Next edition will be Red Seal
LINEMAN (1988)
- * **MACHINIST (1984)**
Major Electrical Appliance Repairer (1984)
MOTOR VEHICLE BODY REPAIRER (1989)
- ♦ **MOTOR VEHICLE REPAIRER (TRUCK AND TRANSPORT) (1983)**
- + **OIL AND SOLID FUEL HEATING MECHANIC (1986)**
- ♦ **PAINTER AND DECORATOR (1983)**
PLUMBER (1989)
Power Engineer (1986)
REFRIGERATION AND AIR-CONDITIONING MECHANIC (1989)
- * Renovation Contractor - Residential
ROOFER (1991)
SHEET METAL WORKER (1990)
SPRINKLER SYSTEM INSTALLER (1986)
STEAMFITTER-PIPEFITTER (1989)
- * Tool and Die Maker (1984) - Next edition will be Red Seal
WELDER (1989)

- * new edition available - 1992-1993
 - ♦ being processed
 - + scheduled for development or revision - 1992
- RED SEAL ANALYSES ARE INDICATED IN CAPITAL BOLD LETTERS**

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REQUESTS FOR THESE PUBLICATIONS SHOULD BE FORWARDED TO:

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FOREWORD

The first National Conference on Apprenticeship in Trades and Industries, held in Ottawa in 1952, recommended that the federal government be requested to co-operate with provincial apprenticeship committees and officials in preparing analyses of a number of skilled occupations. To this end, Employment and Immigration Canada sponsors a program, under the guidance of the Canadian Council of Directors of Apprenticeship, to develop a series of analyses.

The Occupational Analysis Program has the following objectives:

- to identify and group the tasks performed by skilled workers in particular occupations;
- to identify those tasks that are performed by skilled workers in every province and territory;
- to develop instruments for use in the preparation of interprovincial standards "Red Seal" examinations and curricula for training leading to the certification of skilled workers;
- to facilitate the mobility, in Canada, of trainees and skilled workers; and
- to supply employers and employees, and their associations, industries, training institutions and governments with analyses of the tasks performed in particular occupations.

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GUIDE TO ANALYSIS

SCOPE OF ANALYSIS

For the purpose of this analysis, a floorcovering installer is a skilled worker who may be involved in the installation, application, alteration, repair and service of all types of carpets, rugs, artificial turf, sheet goods, tiles, specialty flooring, stair-coverings, top-set base and many other floor covering or flooring products.

An important aspect of the trade is the skills required to install wood and mastic underlayments and the preparation of sub-surfaces for the installation of all types of floor covering products. Some of the work is very specialized and may encompass covering counter tops, walls, indoor or outdoor tennis courts, outdoor running tracks or gymnasiums.

This analysis covers the skills which a floorcovering installer will be required to master in order to be qualified in the trade. It also describes all the tasks which a floorcovering installer should be able to perform proficiently anywhere in Canada. The occupation will vary depending upon factors such as the size, geographical location and function of the organization for which the floorcovering installer works. In a large firm, for example, a floorcovering installer may only specialize in a specific area such as carpet installations or resilient flooring installations. In smaller firms, the floorcovering installer may handle and install the entire range of floorcovering products.

This analysis is not a course of study and it is not intended that the tasks and sub-tasks be mastered in the sequence shown. The primary purpose is to serve as a guide for the development of institutional and on-the-job training programs.

DEVELOPMENT OF ANALYSIS

A draft of this analysis was prepared by persons having extensive knowledge and experience in the floorcovering installer trade.

The draft was then assigned to occupational analysts of Employment and Immigration Canada for review and edit to ensure conformity with the nationally approved format.

The analysis was then forwarded to provincial/territorial authorities for validation by floorcovering installer trade specialists. Their recommendations were assessed and incorporated in the analysis.

The final draft has been translated and printed in both official languages.

STRUCTURE OF ANALYSIS

To facilitate the understanding of the nature of the occupation, the work performed is divided into the following divisions.

- A. **BLOCK** - is the largest division within the analysis and reflects a distinct operation relevant to the occupation.
- B. **TASK** - is the distinct activity, that combined with others, makes up the logical and necessary steps the worker is required to perform to complete a specific assignment within a "BLOCK".
- C. **SUB-TASK** - is the smallest division into which it is practical to sub-divide any work activity and, combined with others, fully describes all duties constituting a "TASK".

Enabling Objectives

That element of skill and knowledge that an individual must acquire to perform the task adequately.

Trend

Any shifts or changes in technology that affect the sub-tasks are identified under this heading.

OBSERVATIONS AND TRENDS ARISING FROM ANALYSIS

Personal observations and interviews clearly indicate that the installation of resilient floorcovering and carpets play a major role in the construction of residential and commercial buildings as well as in the renovation market of today.

Persons working in this field must be dependable and prepared to learn many different types of tasks with a great deal of care, skill and safety.

Once versatile in all related tasks, the skilled worker in floorcovering installation may elect to specialize in a particular facet of the trade, such as in carpet or resilient floorcovering installations.

The minimum criteria for training a floorcovering installer is usually established by various provincial and territorial government departments with direct input from trade advisory committees, employers, unions, joint management and labour committees, industrial associations and training institutes.

Since many new innovations and technological changes have been implemented in the manufacturing processes of floorcovering materials, as well as in installation systems in recent years, floorcovering installers and employers have recognized the need for continual upgrading and training programs in all regions in Canada.

VALIDATION METHOD

At the request of the Canadian Council of Directors of Apprenticeship (CCDA), the Standardization Sub-Committee developed a new format for the validation of the national Red Seal occupational analyses.

A draft of this analysis was sent to all provinces/territories for validation. Each jurisdiction rated the sub-tasks and applied percentage ratings to blocks and tasks. This format for the validation of the national occupational analyses identifies common core tasks across Canada for a specific occupation. This feature facilitates the weighting of the Interprovincial Red Seal examinations.

DEFINITIONS

YES:	the sub-task is performed.
NO:	the sub-task is not performed.
BLOCK %:	the percentage of time a tradesperson spends performing tasks within the block in a given year, taking into consideration the complexity (importance plus difficulty) of the block.
TASK %:	the percentage of time a tradesperson spends performing each task in relation to other tasks within the block, taking into consideration the complexity (importance plus difficulty) of the task.
NR:	<u>No</u> Response from the province/territory.
ND:	<u>Not</u> Designated in that province/territory.

COMMON CORE

The criteria for determining common core is dependant on the performance of sub-tasks. If 70% of the responding jurisdictions (excluding NRs and NDs) perform the sub-task, it shall be considered common core.

In the analysis, Block A is reserved for safety practices. Since safety practices are a mandatory feature of all occupations, it is considered common core and ratings are not required.

Interprovincial Red Seal examinations are based on the common core identified through this validation process.

PERCENTAGE RATINGS (APPENDIX C)

In this appendix, blocks are assigned provincial and territorial percentage ratings. This figure represents the percentage of time a tradesperson spends performing all tasks within the block, in a given year.

Tasks are also assigned a percentage rating which represents the approximate time spent by a tradesperson on each task in relation to other tasks within the block.

The percentage totals, as submitted by the provinces/territories, equal 100% as do the national averages.

BLOCK PERCENTAGES (APPENDIX D)

The graph depicts the national percentages assigned to blocks in the analysis, except for Block A which is not rated.

ANALYSIS

BLOCK A SAFETY AND SAFE WORK PRACTICES

Task 1 Applies accident prevention principles, practices safe working techniques and may apply first aid to injured workers in event of accident.

Trend: There is a noted increase in safety instructions involving survival first aid, Workplace Hazardous Materials Information System and safe operation and handling of tools, equipment and materials.

Sub-tasks	Enabling Objectives	Tools & Equipment
1.01 Evaluates safety.	knowledge of applicable safety acts, Workers' Compensation Board Regulations and employers safety rules knowledge of location of first aid and fire protection equipment knowledge of fire, police and ambulance telephone numbers	Workers' Compensation Act, Occupational Health and Safety Acts/Regulations, Workplace Hazardous Materials Information System, first aid kit, first aid manual
1.02 Practices safe work habits.	knowledge of correct methods of lifting and carrying materials knowledge of correct methods of loading and unloading material deliveries knowledge of correct methods for handling and storage of flammable adhesives and sealers knowledge of safety precautions when lifting and kneeling	Workers' Compensation Board information book

	Sub-tasks	Enabling Objectives	Tools & Equipment
1.03	Uses protective equipment and clothing.	knowledge of necessity to wear knee pads when kneeling knowledge of necessity to wear dust mask when sanding knowledge of necessity to wear ear protection when sanding or nailing knowledge of necessity to wear eye protection when nailing or chipping knowledge of necessity to wear hard hats and safety shoes in all designated areas	knee pads, dust mask, ear protection device, safety goggles, hard hat, safety footwear
1.04	Practices good housekeeping.	ability to maintain cleanliness and order in work areas knowledge of correct methods for storing tools and loose objects ability to recognize hazardous situations ability to dispose of hazardous materials ability to keep walking aisles clear ability to ensure first aid and fire protection equipment are accessible	broom, disposal container and storage boxes
1.05	Practices safe, proper use of hand and power tools.	ability to demonstrate safe and proper methods of using and carrying tools knowledge of hazards created by using defective tools	tool box, sanders, drills, saws, nailers, tackers, floor stripper, drum sander, tool manuals, power stretcher, knee kicker

Sub-tasks	Enabling Objectives	Tools & Equipment
1.06 Works safely in enclosed areas.	knowledge of safe use and operation of electrically powered tools	Workers' Compensation Board Regulations, fans, ventilators, filtered breathing apparatus, fire extinguisher
	ability to ensure power tools and equipment are properly grounded	
	knowledge of safe use and operation of equipment	
	knowledge of necessity to regularly check equipment and hand tools for wear and deterioration	
	knowledge of safe use and operation of stretching tools	
	knowledge of proper storage procedures for all tools	
	knowledge of cleaning methods and maintenance of all tools	
1.07 Ensures proper fire protection.	knowledge of safety regulations when working in enclosed areas using toxic or flammable materials	fire extinguishers
	knowledge of correct placement of ventilation equipment	
	knowledge of requirement to wear respiratory apparatus	
	ability to take all necessary safety precautions when working with toxic or flammable materials	
1.07 Ensures proper fire protection.	knowledge of fire prevention, storage and handling of flammable	fire extinguishers

Sub-tasks	Enabling Objectives	Tools & Equipment
	materials, liquids, gases, adhesives and dust	
	knowledge of hazardous potentials from static electric ignition	
	knowledge of hazardous potentials from gas heaters, pilot lights, light switches, smoking, welding torches and electrical equipment	
	knowledge of fire precautions to be taken when working with flammable materials	
	knowledge of types of fires and operation of extinguishers	
	knowledge of importance to maintain clear exits at all times	
	ability to locate fire extinguishers, fire hoses and sprinkler systems and fire department phone numbers	
1.08 Handles hazardous materials correctly and safely.	knowledge of safety regulation concerning sanding and removal of products containing asbestos	Workers' Compensation Board regulations, rubber gloves, shovel disposal container,
	ability to safely remove materials containing asbestos	Workplace Hazardous Materials Information System (WHMIS)
	knowledge of proper handling and storage of waste materials containing asbestos	regulations, protective breathing apparatus, fans

Sub-tasks	Enabling Objectives	Tools & Equipment
	knowledge of hazards, proper handling, transportation, storage and disposal of sealers, thinners, adhesives, solvents, paints, primers, lacquers and other noxious or toxic materials	
1.09 Attends safety meetings to obtain information on safety rules and safe work habits and procedures.	ability to communicate effectively knowledge of safe work practices knowledge of safety rules ability to provide constructive suggestions for work procedures	
1.10 Applies first aid and reports accidents.	knowledge of survival first aid, correct procedures for artificial respiration, mouth-to-mouth resuscitation, stopping bleeding and treatment for shock, wounds, burns, broken bones and eye injuries ability to notify proper authorities and complete accident report forms	provincial/territorial and municipal regulations, first aid kit, first aid manual

BLOCK B CUSTOMER AND EMPLOYER RELATIONS

Task 2 Applies good customer relations including personal appearance, personal hygiene, proper conduct on job site and regard for customer's property.

Trend: More and more emphasis is placed on good customer relations.

Sub-tasks		Enabling Objectives	Tools & Equipment												
2.01	Practices good employer relations.	ability to demonstrate responsibilities for work performed and time charged													
		ability to keep and maintain job records													
		ability to correctly handle materials and equipment													
		ability to maintain good workmanship and general trade knowledge													
			<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
			ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
2.02	Practices good customer relations.	ability to demonstrate dependability, trustworthiness and responsibility													
		knowledge of appropriate working clothes													
		ability to demonstrate respect for customer's property													
		ability to use appropriate language when on customer's premises													

Sub-tasks			Enabling Objectives							Tools & Equipment		
			knowledge of appropriate behaviour when dealing with customer									
			ability to conduct courteous and appropriate conversations with customer or other workers									
			ability to conduct good housekeeping, maintain cleanliness and order while on customer's premises									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	

BLOCK C SUBFLOOR PREPARATION

Task 3 Inspects subfloors, evaluates existing job site conditions and determines required preparation procedures.

Trend: An increased importance is placed on better quality subfloors and correct subfloor preparation procedures.

Sub-tasks				Enabling Objectives				Tools & Equipment			
3.01	Examines subfloors to determine type of patching material required.			ability to identify standard and lightweight concrete subfloors							
				ability to identify other monolithic subfloors including terrazzo, marble, slate and ceramic subfloors							
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

	Sub-tasks	Enabling Objectives	Tools & Equipment
3.02	Determines methods of preparation required for each type of subfloor.	knowledge of basic construction methods applied and components used in monolithic subfloors ability to identify and define flatbed types of concrete slabs including standard and lightweight types ability to identify and define concrete lift-slab construction ability to identify and define concrete on pan slab construction ability to identify and define concrete plank construction	
			<u>NF</u> <u>NS</u> <u>PE</u> <u>NB</u> <u>PQ</u> <u>ON</u> <u>MA</u> <u>SK</u> <u>AB</u> <u>BC</u> <u>NT</u> <u>YK</u> ND ND yes ND yes yes no yes yes yes NR ND
3.03	Verifies correct weight and density of concrete subfloors.	ability to identify and define heavyweight concrete slabs ability to identify and define medium weight concrete slabs ability to identify and define lightweight concrete slabs knowledge of density requirements for concrete subfloors, i.e. lbs/cu.ft. and kg m³ knowledge of compressive strength requirements for	

Sub-tasks	Enabling Objectives	Tools & Equipment
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concrete subfloors, i.e.
p.s.i., kg/cm² and MPa/KPa

(NOT COMMON CORE)

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	no	ND	no	no	no	no	no	yes	NR	ND

3.04 Examines concrete surface finish to determine suitability.

knowledge of acceptable concrete surface finish requirements

knowledge of specification requirements in regard to levelling tolerances, sloping and finishing to abutments, etc. of concrete slabs

knowledge of specification requirements in regard to use of vapour barriers and other waterproofing agents in or under concrete slabs

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

3.05 Establishes subfloor locations.

ability to identify and define above grade subfloors

ability to identify and define on grade subfloors

ability to identify and define below grade subfloors

knowledge of trade requirements, limitations and recommendations for

Sub-tasks		Enabling Objectives								Tools & Equipment			
		each grade level of subfloor											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND		
3.06	Checks environmental conditions on job site.	knowledge of basic temperature requirements prior to, during and after completion of preparation work knowledge of light and ventilation requirements ability to arrange for areas to be free of other trades, before, during and immediately after subfloor preparation work											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND		
3.07	Checks subfloor conditions.	knowledge of specification requirements pertaining to general contractors (owner's) responsibilities in regard to area and subfloor readiness knowledge of necessity to remove subfloor surface contaminants that could otherwise cause potential bonding or telegraphing problem knowledge of necessity to remove or seal oil, grease, or wax base contaminants that could otherwise cause											

Sub-tasks	Enabling Objectives	Tools & Equipment
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potential bonding or staining problem

knowledge of necessity to recognize moisture conditions and its potential hazards to floorcovering materials and installations

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Task 4 Conducts or initiates moisture tests in accordance with trade requirements.

Trend: Due to recurring flooring failures that are attributed to moisture influences, a greater emphasis is being placed on moisture awareness and methodical implementation of moisture testing systems.

Sub-tasks	Enabling Objectives	Tools & Equipment
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4.01 Examines masonry subfloors to determine whether or not potential moisture problem exists.

knowledge of types of moisture conditions that may be encountered at various grade levels

moisture information books/manuals

ability to recognize moisture hazards and its effects

ability to determine possible origin of moisture in subfloors

ability to identify and define all commonly known moisture conditions

ability to initiate moisture preventive actions

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	no	yes	yes	yes	NR	ND

Sub-tasks		Enabling Objectives								Tools & Equipment			
4.02	Understands effects of moisture on flooring products.	knowledge of moisture effects on floor patches and levelling compounds											
		knowledge of moisture effects on adhesives											
		knowledge of moisture effects on floorcovering products											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND		
4.03	Conducts moisture tests in accordance with trade standards.	knowledge of types and basic characteristics of moisture detecting devices or substances								moisture testing device or substance, moisture kit			
		ability to correctly determine proper location for placing moisture detecting devices or substances											
		ability to demonstrate correct technique for placing or installing moisture detecting devices or substances											
		ability to correctly read and/or interpret moisture test results											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	no	yes	yes	yes	NR	ND		

Task 5 Removes debris, scrapes, cleans, removes contaminates, patches, levels and skim coats all types of masonry subfloors.

Trend: This is an important and ongoing task practised by all floorcovering installers. Hand trowelled mastic underlayments are slowly being replaced by self-levelling types that very often are pumped in and no longer require the physical demands of hand trowelling.

Sub-tasks		Enabling Objectives	Tools & Equipment								
5.01	Prepares masonry surfaces.	ability to remove mortar, plaster, drywall or other spilled materials from all types of masonry surfaces	floor scraper, broom, vacuum cleaner, dust mask, grinding equipment, dust mask, cleaning equipment								
		ability to remove ridges, undulations, projections or any other imperfections from surface of masonry surfaces									
		ability to remove spilled paint or paint over spray, marks from construction crayons, solvent based marking pens, oil spills or any other contaminate that may cause potential staining and/or adhesion problem									
		ability to correctly clean all types of masonry surfaces using broom or vacuum cleaner									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND
5.02	Consults manufacturers' specifications to determine type of filling material to use.	knowledge of various types of filling or patching materials available									
		knowledge of suitability and basic uses of available filling or patching materials									

Sub-tasks	Enabling Objectives	Tools & Equipment
	knowledge of restricted uses of specific types of filling or patching materials	
	ability to identify and define filling or patching materials that are recommended for use on all grade levels or strictly above grade subfloors	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
	<u>NB</u> ND	<u>PQ</u> yes
	<u>ON</u> yes	<u>MA</u> yes
	<u>SK</u> yes	<u>AB</u> yes
	<u>BC</u> yes	<u>NT</u> NR
	<u>YK</u> ND	

5.03	Patches, levels or skim coats all types of masonry surfaces.	ability to prime subfloors or imperfections requiring filling	brush, paint roller, steel trowel, mixing container, spatula, plastering trowel
		ability to correctly mix floor patch and mastic underlayment using prescribed liquid additives	
		ability to patch holes cracks and other indents flush	
		ability to level areas with edges smoothly feathered out	
		ability to skim coat area partially or entirely	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND
		<u>PQ</u> yes	<u>ON</u> yes
		<u>MA</u> yes	<u>SK</u> yes
		<u>AB</u> yes	<u>BC</u> yes
		<u>NT</u> NR	<u>YK</u> ND

Task 6 Removes debris and contaminates, scrapes floors, sands wood panel subfloors, patches, levels and skim coats all types of wood subfloors.

Trend: No apparent change.

Sub-tasks	Enabling Objectives	Tools & Equipment									
6.01 Prepares wood subfloors.	ability to remove mortar, plaster, drywall or other spilled materials from all types of wood subfloors ability to remove spilled paint or paint over spray, marks from construction crayons, solvent based marking pens, oil/grease spills or any other contaminate that may cause potential staining or adhesion problem ability to check subfloor for loose boards, joints and squeaks ability to replace worn areas and renail subfloor	floor scraper, disk sander, (edger), broom, vacuum cleaner, dust mask, sealer, hammer, nails									
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
6.02 Sands wood surfaces, using disk sanders, (edger) and drum sander.	knowledge of types of sanding equipment knowledge of types of sandpaper considered suitable knowledge of correct methods of applying sandpaper or sanding disks knowledge of correct sanding procedures, using edger, large disk sander and drum sander ability to sand wood panel joints flush using edger ability to sand wood panels smooth using drum sander	edger, disk sander, drum sander, sandpaper									

[illegible]

Task 7 Installs underlayments over existing subfloors including wood panels, mastic underlayments, self-levelling mastics and lining felts.

Sub-tasks		Enabling Objectives	Tools & Equipment
7.01	Consults manufacturers' specifications to determine type of wood panels and mastic underlayment to be use.	knowledge of basic types of wood underlayment panels recommended	
		knowledge of wood panel qualities, grades and thicknesses recommended	
		knowledge of various types of mastic underlayments available	
		knowledge of basic uses and installation recommendations of mastic underlayments	
		knowledge of basic uses and installation recommendations of self-levelling mastic underlayments	
		<u>NF</u> <u>NS</u> <u>PE</u> <u>NB</u> <u>PQ</u> <u>ON</u> <u>MA</u> <u>SK</u> <u>AB</u> <u>BC</u> <u>NT</u> <u>YK</u> ND ND yes ND yes yes no yes yes yes NR ND	
7.02	Prepares subfloors and areas.	ability to remove doors, clear area to be covered, remove existing wall base, repair existing subfloors, if required and clean floor	door pin remover, pinch bar, broom, brush
		<u>NF</u> <u>NS</u> <u>PE</u> <u>NB</u> <u>PQ</u> <u>ON</u> <u>MA</u> <u>SK</u> <u>AB</u> <u>BC</u> <u>NT</u> <u>YK</u> ND ND yes ND yes yes yes yes yes yes NR ND	
7.03	Installs wood panel underlayments.	ability to measure area and determine number of wood panels required	measuring tape, pencil, square, saw, rasp, planer, flooring nails,
		ability to layout full sheets and fill pieces	staples, screws, hammer, staple

Sub-tasks		Enabling Objectives								Tools & Equipment			
		ability to measure, cut and fit wood panels to all vertical surfaces								hammer, screwdriver			
		ability to fasten wood panels to subfloors using nails, staples or screws, as required in accordance with trade standards and flooring manufacturers' recommendations											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	no	yes	yes	yes	yes	yes	NR	ND		
7.04	Installs mastic underlayments.	ability to prime subfloors using recommended primer and application procedure								steel trowel, squeegee, mixing container, power mixer, spatula, plastering trowel, special applicator designed for applying self-levelling underlayments			
		ability to correctly mix mastic underlayments using recommended liquid additives											
		ability to skim coat entire areas, applying as many coats as required to achieve level and smooth finish											
		ability to apply self-levelling mastic underlayments over existing subfloors in accordance with manufacturers' recommendations											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	no	yes	yes	yes	NR	ND		
7.05	Installs lining felt.	knowledge of types of lining felts available								measuring tape, chalk line, pencil, straight			

Sub-tasks	Enabling Objectives	Tools & Equipment
	knowledge of why lining felts are occasionally required or necessary	blade knife, shears, adhesive applicator, sectional roller, utility knife
	ability to measure area and determine number of widths required	
	ability to unroll lining felt, cut pieces off roll and layout lining felt covering entire area	
	ability to roll back one half of lining felt and apply adhesive to subfloor and return felt onto adhesive	
	ability to repeat operation at other half of area and roll entire installation	
	ability to trim and fit lining felt to all vertical surfaces	

(NOT COMMON CORE)

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	no	ND	no	no	yes	no	no	yes	NR	ND

Task 8 Prepares existing old or contaminated subfloors and removes or prepares previously installed resilient flooring or glue-down carpets.

Trend: Use of wood panel or mastic underlayment installed over existing substrate.

Sub-tasks	Enabling Objectives	Tools & Equipment
8.01 Prepares existing old subfloors.	ability to describe most common types of old existing subfloors that are covered with floor covering	cleaning tools and substances, patching tools, sanding equipment

Sub-tasks		Enabling Objectives	Tools & Equipment								
		ability to describe basic requirements for acceptable existing old subfloors									
		ability to repair old existing subfloors									
		ability to patch, level or skim coat existing old subfloors									
		ability to apply self-levelling underlayments									
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
8.02	Prepares surfaces that may contain oil, grease, paint, varnish, wax, sealers, curing compounds, parting compounds, alkali and others.	ability to remove contaminates by various procedures and techniques, such as, grinding and/or sanding, using acids and cleaning substances, using blow torch and wet stripping or others	grinder, sander, cleaning tools and substances, blow torch, patching tools								
		knowledge of all safety precautions when working with hazardous materials									
		ability to patch, level or skim coat surfaces after removal of contaminates									
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
8.03	Prepares existing resilient flooring.	ability to identify and describe most common types of resilient floors often covered	sanding equipment, wet stripping tools and substances, patching/levelling tools								

<u>Sub-tasks</u>	<u>Enabling Objectives</u>	<u>Tools & Equipment</u>
	ability to describe basic requirements for acceptable resilient floor to be used as base for new installation	
	knowledge of methods to correctly prepare existing resilient surfaces, such as, composition vinyl (VA), homogeneous vinyl, rubber, inlaid vinyl, cushion vinyl, linoleum and others	
	ability to correctly sand acceptable resilient floorcovering surfaces	
	ability to correctly wet strip resilient floorcovering surfaces	
	ability to correctly patch, level or skim coat resilient floorcovering surfaces	
	ability to apply self-levelling underlayments	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
	<u>NB</u> ND	<u>PQ</u> yes
	<u>ON</u> yes	<u>MA</u> yes
	<u>SK</u> yes	<u>AB</u> yes
	<u>BC</u> yes	<u>NT</u> NR
	<u>YK</u> ND	

8.04	Removes existing resilient flooring.	ability to determine when resilient floorcovering should be removed from existing subfloors	chipper, stripper, blow torch, scraping tools, knife, patching/levelling tools, mixing container, power mixer, applicator
		knowledge of various techniques and methods of removing resilient floorcoverings including chipping, freezing, heating, stripping manually, stripping by machine and using chemicals	

Sub-tasks	Enabling Objectives	Tools & Equipment
	knowledge of all precautions when removing resilient floor coverings	
	ability to remove backing materials and adhesive	
	ability to correctly patch, level and skim coat subfloors after removal of resilient flooring	
	ability to correctly install self-levelling mastic underlayment	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
	<u>NB</u> ND	<u>PQ</u> yes
	<u>ON</u> yes	<u>MA</u> yes
	<u>SK</u> yes	<u>AB</u> yes
	<u>BC</u> yes	<u>NT</u> NR
		<u>YK</u> ND

BLOCK D PRODUCT KNOWLEDGE

Task 9 Identifies, defines and interprets all types of carpet construction, carpet fibres, textures, styles and patterns.

Trend: Updated manufacturing methods have resulted in an ever increasing number of new colours, styles, textures and finishes in all types of carpet construction.

Sub-tasks	Enabling Objectives	Tools & Equipment
9.01 Examines carpet fibres and yarns.	ability to identify and interpret variety of carpet yarns	
	knowledge of carpet fibre processing methods	
	knowledge of critical fibre factors	

Sub-tasks	Enabling Objectives	Tools & Equipment
	ability to interpret carpet fibre designation and identify characteristics	
	knowledge of carpet fibre performance characteristics	
	knowledge of types of fibres used in manufacturing of carpets	
	knowledge of carpet and fibre dyeing techniques	

(NOT COMMON CORE)

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	no	no	no	no	no	yes	NR	ND

9.02	Identifies variety of woven carpets including velvet construction, Wilton construction, Axminster construction and Kara-loc construction.	knowledge of manufacturing process of woven carpets used in trade knowledge of types and combinations of fibres used in manufacturing of woven carpets ability to identify woven carpets knowledge of various types of textures, styles, colours and patterns used in conjunction with woven carpets
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<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

9.03	Identifies and interprets variety of other carpet	knowledge of manufacturing process of carpets
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Sub-tasks	Enabling Objectives	Tools & Equipment
constructions including: - knitted construction, - Kara-loc construction, - tufted construction, - fusion bonded construction, - needle punch construction and - special constructions, such as, ° flocked carpets, ° Heugha carpets, ° Sisal carpets, ° braided carpets, ° hand made carpets, ° outdoor carpets, ° wall carpets, ° carpet tiles, ° glue-down carpets, ° runners/rugs, others.	knowledge of types and combinations of fibres used in manufacturing or carpets ability to identify all basic carpet constructions knowledge of typical identifying characteristics of regular or special carpet constructions ability to identify carpet backing materials knowledge of basic construction systems used in application of primary and secondary backings of carpets ability to describe and identify various types of textures, colours and designs available in all regular or special carpet constructions	

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

9.04 Interprets carpet quality factors.

ability to describe and list basic quality factors common to all carpet constructions

(NOT COMMON CORE)

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	no	yes	no	yes	no	yes	NR	ND

Sub-tasks	Enabling Objectives	Tools & Equipment
9.05 Examines carpet styles and textures.	knowledge of various manufacturing processes used in carpet styling and finishing ability to identify carpet styles, surface textures and patterns	
(NOT COMMON CORE)		
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> no
	<u>MA</u> no	<u>SK</u> no
	<u>AB</u> yes	<u>BC</u> yes
	<u>NT</u> NR	<u>YK</u> ND

Task 10 Identifies, defines and interprets all types of carpet accessory products.

Trend: New types, styles and uses of carpet accessory products are being constantly introduced.

Sub-tasks	Enabling Objectives	Tools & Equipment
10.01 Identifies and defines number of different types of carpet undercushions (underlays).	knowledge of various functions of undercushions ability to describe most common types of undercushions knowledge of general guidelines for recommending suitable types, thicknesses, weights or densities of carpet undercushions	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
	<u>MA</u> yes	<u>SK</u> yes
	<u>AB</u> yes	<u>BC</u> yes
	<u>NT</u> NR	<u>YK</u> ND

10.02 Identifies various types of tackless strips.

ability to describe various forms of tackless strips used in trade

	Sub-tasks	Enabling Objectives	Tools & Equipment
		ability to recommend correct type of tackless strips to use for various types and thicknesses of carpet	
	<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
		<u>NB</u> ND	<u>PQ</u> yes
		<u>ON</u> yes	<u>MA</u> yes
		<u>SK</u> yes	<u>AB</u> yes
		<u>BC</u> yes	<u>NT</u> NR
		<u>YK</u> ND	
10.03	Identifies protective edge mouldings and stair nosings.	ability to identify and describe various types of protective carpet edge metal or vinyl products	
	<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
		<u>NB</u> ND	<u>PQ</u> yes
		<u>ON</u> yes	<u>MA</u> yes
		<u>SK</u> yes	<u>AB</u> yes
		<u>BC</u> yes	<u>NT</u> NR
		<u>YK</u> ND	
10.04	Identifies carpet bases.	ability to describe various types of carpet bases available	
	<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
		<u>NB</u> ND	<u>PQ</u> yes
		<u>ON</u> yes	<u>MA</u> yes
		<u>SK</u> yes	<u>AB</u> yes
		<u>BC</u> yes	<u>NT</u> NR
		<u>YK</u> ND	
10.05	Identifies various types of miscellaneous accessory products: seaming tape, sewing tape, sewing thread, double face tape, pad tape and others.	ability to describe various types and uses of accessory products	
	<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
		<u>NB</u> ND	<u>PQ</u> yes
		<u>ON</u> yes	<u>MA</u> yes
		<u>SK</u> yes	<u>AB</u> yes
		<u>BC</u> yes	<u>NT</u> NR
		<u>YK</u> ND	

Sub-tasks	Enabling Objectives	Tools & Equipment
10.06 Identifies adhesives used for carpet installations.	ability to describe various types of tackless strip adhesives ability to describe various types of carpet adhesives ability to describe various types of seaming adhesives knowledge of where, when and how to use tackless strip, carpet and seaming adhesives	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
	<u>MA</u> yes	<u>SK</u> yes
	<u>AB</u> yes	<u>BC</u> yes
	<u>NT</u> NR	<u>YK</u> ND

Task 11 Identifies, defines and interprets all types of resilient floor tiles and sheet goods.

Trend: New styles, colours, designs and finishes are constantly emerging in tile and sheet goods form.

Sub-tasks	Enabling Objectives	Tools & Equipment
11.01 Identifies variety of resilient tiles, such as, vinyl composition tile, homogeneous vinyl tile, rubber tile, cork tile, linoleum tile, conductive tile and modified rubber/vinyl tile.	knowledge of manufacturing process of resilient tiles knowledge of general characteristics of resilient flooring tiles ability to describe associated product data information of resilient tiles, such as, fabrication and composition, sizes available, overall thickness (gauge), surface texture, static load limits, general durability and approvals	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
	<u>MA</u> yes	<u>SK</u> yes
	<u>AB</u> yes	<u>BC</u> yes
	<u>NT</u> NR	<u>YK</u> ND

Sub-tasks		Enabling Objectives	Tools & Equipment											
11.02	Identifies variety of resilient sheet goods, such as, rotogravure types of sheet goods including unfilled wear layer types, cushioned or non-cushioned; inlaid or filled types of sheet goods including cushioned or non-cushioned types; flexible PVC sheet goods residential grades, commercial grades; linoleum, rubber sheet goods and modified or combination types of sheet goods.	knowledge of manufacturing process of resilient sheet goods knowledge of general characteristics of resilient sheet goods ability to define various sheet goods grades available including perfects, seconds, remnants, mill-trials and cuttings ability to describe associated product data information of sheet goods, such as, fabrication and composition, width of sheet goods, overall thickness (gauge), wearlayer thickness, static load limits, general durability, types of backings, interlayers and approvals												
			<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
			ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Task 12 Identifies, defines and interprets all types of resilient specialty floorcovering products.

Trend: Advancements in technology have resulted in an influx of many new types and styles of floorcovering specialty products.

	Sub-tasks	Enabling Objectives	Tools & Equipment
12.01	Identifies variety of resilient specialty flooring products, such as, recreational	knowledge of manufacturing process of resilient specialty flooring products	

Sub-tasks	Enabling Objectives	Tools & Equipment
flooring, safety flooring, conductive flooring, stair covering products, moulded rubber flooring, sundeck flooring, countertop materials, self- adhering flooring, top-set or butt-toe base, wallcovering, outdoor flooring and custom designed flooring.	knowledge of general characteristics of specialty floorings ability to describe associated product data information of specialty flooring products, such as, fabrication and composition, width of goods, thickness (gauge), wearlayer thickness, style, static load limit, general durability, colours and approvals	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
	<u>MA</u> no	<u>SK</u> yes
	<u>AB</u> yes	<u>BC</u> yes
	<u>NT</u> NR	<u>YK</u> ND

Task 13 Identifies, defines and interprets all types of resilient accessory products.

Trend: More new products replacing older types.

Sub-tasks	Enabling Objectives	Tools & Equipment
13.01 Identifies variety of resilient accessory products, such as, adhesives, binder bars, reducer strips, snap-on metals, flash cove accessories, double face tape, miscellaneous accessories, i.e., nails, screws, etc.	ability to identify and describe adhesive used for resilient tile installations ability to identify and describe adhesives used for sheet goods installations ability to identify and describe adhesives used for specialty flooring installations ability to identify and describe adhesives used to install resilient accessory products	

Sub-tasks	Enabling Objectives	Tools & Equipment
	knowledge of general characteristics of accessory products	
	ability to describe associated product data information of floorcovering accessory products, such as, fabrication and composition, width, length, weight, amount, thickness, styles, colours and general durability	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
	<u>NB</u> ND	
	<u>PQ</u> yes	<u>ON</u> yes
	<u>MA</u> yes	<u>SK</u> yes
	<u>AB</u> yes	<u>BC</u> yes
	<u>NT</u> NR	<u>YK</u> ND

BLOCK E CARPET INSTALLATION

Task 14 Prepares areas, installs tackless strips, protective edgings and measures, cuts, fits and installs carpet undercushions for conventional carpet installations.

Trend: No apparent changes in residential installations. The use of the newly developed double stick type of undercushion may lessen the use of tackless strips.

Sub-tasks	Enabling Objectives	Tools & Equipment
14.01 Prepares subfloors.	knowledge of basic subfloor requirements	broom, scraper, sanding/grinding equipment,
	ability to clear areas, if and when required including removing furniture, existing wallbase, doors and other obstacles	patching tools, hammer, moisture detector

Sub-tasks	Enabling Objectives	Tools & Equipment
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ability to correctly
prepare subfloors including
removal of contaminates,
sanding, grinding,
patching, levelling,
installing wood or mastic
underlayments and checking
for moisture

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

14.02 Ensures
satisfactory job
site conditions.

knowledge of temperature
requirements prior to,
during and after
installation of carpets

knowledge of light, power
and heat requirements
during installation of
carpets

ability to arrange for
areas to be free of
traffic, other workers,
stock being placed or any
other interference during
installation of carpets

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

14.03 Prepares for
installation of
tackless strips.

knowledge of correct type
and form of tackless strip
required for different
types of carpet
constructions

ability to estimate
quantity of tackless strips
required

Sub-tasks	Enabling Objectives	Tools & Equipment
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strips onto densehard
monolithic surfaces using
adhesive entirely or
combination of nails and
adhesive

ability to correctly
install tackless strips
onto radiant heated
subfloors

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

14.06 Installs protective
edgings including
clamp-down bars,
fireplace metals,
snap-on binder
bars, etc.

knowledge of basic types of
protective edgings
recommended for open-end
carpet finishes

hack saw, metal
shears, hammer,
nails

knowledge of correct
methods of installing
various types of protective
edgings

ability to correctly cut,
fit and install all types
of protective edgings in
doorways and other open-end
areas

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

14.07 Prepares for
installation of
carpet underlay.

knowledge of different
types, densities, widths
and thicknesses of carpet
undercushions available

knowledge of types and
qualities of undercushions
recommended for various
types of carpet
constructions

Sub-tasks		Enabling Objectives										Tools & Equipment	
		knowledge of installation requirements of carpet undercushions over wood and monolithic subfloors											
		ability to estimate quantities of carpet underlay required											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND		
14.08	Considers steps prior to installation of carpet undercushions.	knowledge of how to measure areas, establishing direction of lay and calculating number of full widths and fill pieces required										measuring tape	
		knowledge of how to identify the face side of underlays and correct placement of same											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND		
14.09	Consults manufacturers' specifications.	knowledge of correct installation of carpet undercushions including correct fastening techniques on wood and concrete subfloors, stretching recommendations and placement and taping of seams											
		knowledge of special installation recommendations when required to install very											

Sub-tasks	Enabling Objectives										Tools & Equipment
	thick or thin carpet undercushions										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

14.10 Installs carpet undercushions.

ability to measure areas, cut pieces of undercushion off roll, layout full widths and fill pieces

ability to fasten undercushions to subfloor using staples or adhesive

ability to fit undercushions to vertical surfaces, seam where required and apply seaming tape

measuring tape, utility knife, square, staple hammer, staples, pad adhesive and applicator, pad tape

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Task 15 Measures, lays out, prepares, cuts, trims, seams, stretches, fits and installs all types of commercial and residential carpets, rugs and runners.

Trend: Customized installations appeared to be preferred over one colour type of carpet use. In the commercial section more carpets are currently installed by the direct glue down technique.

Sub-tasks	Enabling Objectives										Tools & Equipment
15.01 Measures areas and calculates quantities of carpet and accessories required.	ability to correctly measure areas to receive plain coloured and patterned carpets										

Sub-tasksEnabling ObjectivesTools & Equipment

ability to check squareness
of an area applying
recommended techniques

ability to make simple
drawings or comprehensive
layout sketches and cutting
plans

ability to correctly layout
area for carpet
installation with
considerations to direction
of pile lay; direction of
seams; location of length
and cross seams; placement
of fills; proper allowances
for end and side fittings;
proper allowances for
pattern matching; use of
least number of seams and
amount of materials; ease
of installation and best
appearance of installation

ability to develop accurate
layout plan, showing
length, width, seams and
fills required

ability to mathematically
calculate materials
requirements

ability to cross-check area
requirements with materials
delivered

ability to calculate floor
covering requirements in
both Imperial and Metric
system

ability to estimate floor
covering accessory products

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Sub-tasks	Enabling Objectives	Tools & Equipment
15.02 Cuts carpets.	ability to unroll carpet, identify construction, type of fibre, surface texture and backing material ability to inspect carpet and ensure correct colour or pattern, dye lot variances between adjoining widths ability to inspect carpet for visual flaws and other imperfections ability to square ends and sides of carpet using various squaring techniques ability to identify carpet pieces for correct pile lay and best colour match	measuring tape, chalk line, square, T-square, marking pen

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

15.03 Consults manufacturers' specifications.	knowledge of manufacturers' carpet preparation, stretching and installation recommendations for tufted carpet constructions; woven carpet constructions including velvet constructions, Wilton constructions, Axminster constructions, Kara-loc constructions, knitted carpet construction, hand made carpets and others
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<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Sub-tasks		Enabling Objectives				Tools & Equipment						
15.04	Trims carpets, such as, tufted constructions, woven constructions and other types of carpets.	knowledge of various types and uses of trimming tools				carpet knife, shears, loop pile cutter, cushion back cutter, chalk line, straight edge, square, sharpening stone						
		ability to use correct trimming tool for various types of carpet construction										
		ability to trim carpet edges and ends from face and back side of carpet										
		ability to correctly seal carpet edges before seaming										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
15.05	Seams carpet by heat bond technique.	knowledge of types, uses and applications of carpet heat seaming tools				heat bond tapes, seam sealer, carpet stretcher, hammer, nails, heat bond iron, extension cord, seam roller, knee kicker						
		knowledge of safe use of seaming tools										
		knowledge of types and recommended uses of heat seaming tapes										
		ability to correctly layout and prepare carpet prior to heat seaming including checking both halves for similarities of pile lay and pattern; sealing edges as required; prestretching carpet, matching pattern and correctly positioning carpet edges to achieve tight seam										
		knowledge of techniques to correctly heat tape for length and cross seams for all types of carpets										

<u>Sub-tasks</u>		<u>Enabling Objectives</u>	<u>Tools & Equipment</u>									
		accessories required for sewing seams										
		ability to correctly lay out and prepare carpet prior to seam sewing										
		knowledge of various types of stitches recommended for different types of carpet constructions										
		knowledge of techniques to correctly sew and finish length and cross seams										
		ability to sew seams using correct type of stitch for type of carpet construction specified										
		ability to correctly top sew and finish seams and other joints										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	

15.08 Places and stretches carpets.

knowledge of correct carpet layout, with considerations to direction of pile lay, direction of seams, location of seams, placement and location of fills and cross seams

stair tool, hammer, knife, power stretcher, holding tool, abutment board, knee kicker, tucking tool

ability to lay out carpet widths in correct sequence and pile direction

knowledge of types, uses and application of carpet stretching and cutting tools

Sub-tasksEnabling ObjectivesTools & Equipment

knowledge of safe handling
and application of
stretching and cutting
tools

knowledge of technique to
correctly stretch, fit and
finish all types of carpet
constructions

ability to correctly
position carpet to cover
entire area with excess
leaning up the wall to
accommodate proper fitting

ability to correctly place
carpet on pins of tackless
strips and administer
relieve cuts at corners and
other projections

knowledge of technique to
correctly stretch all types
of carpet constructions
using power stretcher

knowledge of technique to
correctly stretch carpets
in small areas using knee
kicker

ability to correctly
stretch all types of
carpets in accordance with
manufacturers'
recommendations

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

15.09 Trims and finishes
carpets.

knowledge of types, uses
and application of carpet
trimming and finishing
tools

carpet knives,
wall trimmer,
tucking tool,
hammer, rubber
mallet, awl,
turning tool,

Sub-tasks	Enabling Objectives	Tools & Equipment
	knowledge of methods and techniques to correctly trim and fit carpets to vertical surfaces ability to fit, tuck and finish all types of carpets to straight and irregular walls; door casings, jambs and other such areas; pipes, posts, columns and other such areas; open ended doorways and other open ended areas; flush fireplaces; floor registers and baseboards; curved open ends; access panel systems and others ability to remove cuttings and left-overs, sweep/clean areas covered and conduct final inspection	broom, vacuum cleaner, plastic bag
<u>NF</u> ND <u>NS</u> ND <u>PE</u> yes <u>NB</u> ND <u>PQ</u> yes <u>ON</u> yes <u>MA</u> yes <u>SK</u> yes <u>AB</u> yes <u>BC</u> yes <u>NT</u> NR <u>YK</u> ND		
15.10 Plans lay-out of patterned carpets.	ability to cross-check actual room measurements with carpet received ability to determine correct layout of patterned carpet ability to measure areas and determine length pieces of patterned carpet required when installing set match pattern repeat; drop match pattern repeat and running match pattern repeat ability to correctly inspect carpet for tension differences between width	measuring tape, marking pen

Sub-tasks		Enabling Objectives								Tools & Equipment		
		and pattern design mismatches										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
15.11 Installs patterned carpets in variety of areas.		ability to correctly trim pattern carpet and align edges to match pattern designs								knives, straight edge, square, seaming tools, knee kicker, power stretcher, wall trimmer, stair tool, hammer and other miscellaneous tools		
		ability to correctly seam patterned carpet, using seaming technique recommended by manufacturer										
		ability to correctly stretch patterned carpet using knee kicker and power stretcher										
		ability to correctly trim, fit and finish patterned carpet installation in accordance with manufacturers' recommendations										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
15.12 Installs border or multi-coloured carpets in variety of areas.		knowledge of basic procedure and recommendations of border carpet installations								knives, wall trimmer, knee kicker, power stretcher, stair tool, seaming iron and tape, seam roller, hammer, and other miscellaneous hand tools		
		ability to install multi-colour border installation including establishing direction of pile lay and pattern; establishing										

Sub-tasks		Enabling Objectives								Tools & Equipment			
		parallel lines around perimeter of area; installing field or centre carpet; cutting border carpet to size; dry laying border carpet and matching pattern; stay tacking and stretching field and border carpet; seaming/joining border carpet to field carpet; fitting inside and outside corners; correctly power stretching entire installation; correctly fitting, tucking and finishing installation											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND		

15.13 Installs custom carpet insets to enhance or customize carpet installations.

knowledge of types and correct use of custom carpet inset tools

knowledge of various methods and techniques used for designing and/or developing carpet insets including actual design transfer by gridline enlargement; actual design transfer by optical projections; and combination-measuring and free-hand designing and development of inset

knowledge of actual installation recommendations of custom made carpet insets including correct development of images (designs) onto rigid templates; correct cutting of design from template onto selected piece(s) of

template, marking pen, square, overhead projector, measuring tape, pencil

Sub-tasks		Enabling Objectives								Tools & Equipment			
		carpet; correct fastening and marking or cutting inset outlines into selected areas of carpet; correct fitting inset into designated area of carpet; correct joining inset by sewing and latexing or taping or gluing; correct finishing and finalizing inset work											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND		
15.14	Hand or machine binds carpet rugs, runners and mats.	knowledge of types and correct use of binding tools and accessories								knife, shears, straight edge, square, binding tape, sewing thread and needle, binding stapler, seam latex			
		knowledge of methods and techniques to correctly hand bind carpet edges											
		ability to correctly trim and prepare carpet prior to binding											
		ability to correctly position binding tape at edge of carpet and sew binding to carpet edge											
		ability to correctly staple binding tape to carpet edge, using staple-binder											
		ability to correctly apply latex along edge of carpet and binding tape and fold and press binding tape to complete binding of carpet edge											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	no	yes	yes	yes	yes	yes	NR	ND		

Task 16 Prepares subfloors, installs protective edgings and readies area for glue-down carpet installation.

Trend: No apparent changes with the exception that more cementitious types of latex base trowelable and self-levelling floor filling materials are currently used.

Sub-tasks	Enabling Objectives	Tools & Equipment
16.01 Prepares subfloors.	knowledge of basic subfloor requirements ability to clear areas, if and when required, including removing furniture, existing wallbase, doors and other obstacles ability to correctly prepare subfloors including removal of contaminates, sanding, grinding, patching, levelling, installing wood or mastic underlayments and checking for moisture	broom, scraper, sanding/grinding equipment, patching tools, hammer, moisture detector
	<u>NF</u> <u>NS</u> <u>PE</u> <u>NB</u> <u>PQ</u> <u>ON</u> <u>MA</u> <u>SK</u> <u>AB</u> <u>BC</u> <u>NT</u> <u>YK</u> ND ND yes ND yes yes yes yes yes yes NR ND	
16.02 Ensures satisfactory job site conditions.	knowledge of temperature requirements prior to, during and after installation of carpets knowledge of light, power and heat requirements during installation of carpets ability to arrange for areas to be free of traffic, other workers, stock being placed or any	

Sub-tasks	Enabling Objectives								Tools & Equipment		
	other interference during installation of carpets										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

- 16.03 Installs protective edgings including clamp-down types, divider bars, snap-on types and others.
- knowledge of basic types of protective edgings recommended for open end carpet finishes
- knowledge of correct methods of installing various types of protective edgings
- ability to correctly cut, fit and install all types of protective edgings in doorways and other open end areas
- hack saw, metal shears, hammer, nails

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Task 17 Measures, lays out, prepares, cuts, trims, seams, applies adhesive, fits and installs all types of glue-down carpets.

Trend: Most glue-down carpet installation are currently customized, using two or more colour combinations. The majority of glue-down carpets are used in commercial projects.

Sub-tasks	Enabling Objectives								Tools & Equipment		
17.01 Measures areas and calculates quantities of carpet required.	ability to correctly measure areas to determine plain coloured and patterned carpets required										
	knowledge of methods to check squareness of area										

Sub-tasks	Enabling Objectives	Tools & Equipment
	applying recommended techniques	
	ability to make simple drawings or comprehensive layout sketches and cutting plans	
	knowledge of methods and techniques to correctly layout area for carpet installation with considerations to direction of pile lay; direction of seams; location of length and cross seams; placement of fills; proper allowances for end and side fittings; proper allowances for pattern matching; use of least number of seams and amount of materials, ease of installation and best appearance of installation	
	ability to make accurate layout plan, showing length, width, seams and fills required	
	ability to mathematically calculate material requirements	
	knowledge of requirements to cross-check area for materials delivered	
	ability to calculate floor covering requirements in both Imperial and Metric system	
	ability to estimate floor covering accessory products	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND

Sub-tasks			Enabling Objectives								Tools & Equipment			
17.02	Cuts carpets.	ability to unroll carpet, identify construction, type of fibre, surface texture and backing material									measuring tape, chalk line, square, T-square, marking pen			
		ability to inspect carpet and ensure correct colour or pattern, dye lot variances between adjoining widths												
		ability to inspect carpet for visual flaws and other imperfections												
		ability to square ends and sides of carpet using various squaring techniques												
		ability to identify carpet pieces for correct pile lay and best colour match												
			<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
17.03	Consults manufacturers' specifications.	knowledge of carpet manufacturers' preparation and installation												
		recommendations for number of carpets, including regular jute/synthetic back carpets, cushion back carpets, vinyl/rubber back carpets, hot-back carpets, uni-back carpets, artificial turf/grass, urethane back carpets and others												
			<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND

Sub-tasks		Enabling Objectives				Tools & Equipment					
17.04	Trims carpets, such as, loop pile carpets, cut pile carpets, combination cut and loop pile carpets, berber styles, needle punch carpets and others.	knowledge of various types and uses of carpet trimming tools ability to use correct trimming tools for various types of carpets ability to trim carpet edges and ends from face and back side ability to correctly seal carpet edges and ends when necessary				carpet knife, shears, loop pile cutter, cushion back cutter, chalk line, straight edge, square, sharpening stone, edge seal applicator					
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND
17.05	Places carpet in areas or rooms.	knowledge of correct carpet layout, with considerations to direction of pile lay, direction of seams, location of seams, placement and location of fills and cross seams ability to layout carpet widths in correct sequence and pile direction ability to correctly position carpet to cover entire area with excess leaning up wall to achieve proper fit									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND
17.06	Seams carpet and applies adhesive.	knowledge of recommended seaming and seam finishing				carpet knife, adhesive					

<u>Sub-tasks</u>	<u>Enabling Objectives</u>	<u>Tools & Equipment</u>
	techniques for glue-down carpets	applicator, adhesive, seam seal dispenser, seam sealer, cleaning solvent cloth, seam roller, floor roller
	knowledge of recommended adhesives and correct application	
	ability to align carpet edges, match pattern design, if required and trace or double cut seams in accordance with manufacturers' recommendations	
	ability to pretrim carpet along walls and projections for ease of installation	
	ability to tube or lap carpets and apply adhesive to subfloors with correctly notched trowel	
	ability to apply seam sealer in accordance with manufacturers' recommendations	
	ability to return carpet in proper sequence into adhesive and pressure butt carpet edges to form tight seam	
	ability to clean seams in cases of seam sealer seepage and correctly roll carpet to achieve permanent bond	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND

17.07 Trims and finishes carpets.

knowledge of types and uses of carpet trimming and finishing tools

carpet knives, wall trimmer, tucking tool,

Sub-tasks	Enabling Objectives	Tools & Equipment
	knowledge of methods and techniques to correctly trim and fit carpets to vertical surfaces ability to fit, tuck and finish all types of carpets to straight and irregular walls; door casings, jambs and other such areas; pipes, posts, columns and other such areas; open ended doorways and other open ended areas; flush fireplaces, floor registers and baseboards; curved open ends and access panel system and others ability to remove cuttings and left-overs, sweep/clean areas covered and conduct final inspection	hammer, rubber mallet, awl, turning tool, broom, vacuum cleaner, plastic bag
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
	<u>NB</u> ND	<u>PQ</u> yes
	<u>ON</u> yes	<u>MA</u> yes
	<u>SK</u> yes	<u>AB</u> yes
	<u>BC</u> yes	<u>NT</u> NR
		<u>YK</u> ND
17.08 Installs carpet outdoors.	knowledge of all applicable recommendations for outdoor carpet installations ability to follow manufacturers' installation recommendations for all types of outdoor carpets including ensuring that only recommended carpets and accessories are selected for outdoor use; checking the installation site, choosing only suitable adhesives and sealers, ensuring that all sub-surfaces are dry, structurally sound, smooth, free of contaminants and swept clean and ensuring	manufacturers' specifications/ recommendations, preparation and installation tools customarily used for regular glue-down carpet installations

Sub-tasks	Enabling Objectives								Tools & Equipment			
	that all exposed open ends are sealed (caulked)											
	ability to correctly prepare, measure, lay out, trim edges, apply adhesive to subfloors, seam, fit, trim and finish all types of outdoor carpet installations											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	

Task 18 Prepares walls, measures, lays out, cuts, trims, seams, applies adhesive, fits and installs all types of wall carpets.

Trend: Market acceptance has always been fluctuating; currently there is limited use of wall carpets in some provinces and territories.

Sub-tasks	Enabling Objectives								Tools & Equipment			
18.01	Consults manufacturers' specifications.								knowledge of wall carpet manufacturers' preparation and installation recommendations			
									knowledge of types of wall carpets and adhesives recommended			
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
18.02	Prepares walls for installation of wall carpets.								ability to correctly prepare plaster/drywall surfaces, concrete, including block walls, wood sheathing and other walls			
									preparation and patching tools			
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	no	yes	yes	yes	yes	yes	NR	ND	

Sub-tasks		Enabling Objectives	Tools & Equipment								
18.03	Measures walls and calculates quantities of wall carpet required.	ability to correctly measure, layout and estimate wall areas for various types of wall carpet installations including floor to ceiling installations, dado and other installations	measuring tape, pencil and paper								
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
18.04	Installs wall carpets to walls and other vertical surfaces.	knowledge of methods to correctly install all types of wall carpets to walls and other designated areas ability to correctly prepare wall carpet for wall installation ability to establish layout lines and correctly apply adhesive to walls ability to correctly apply carpet to walls or other vertical surfaces ensuring straightness and squareness when applied, achieving tight seams and perfectly matches patterns or designs and providing for good bond over entire area	straight edge, square, chalk line, carpet knife, shears, loop pile and cushion back, cutter, adhesive applicator, (paint roller), seam roller, wall roller								
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
18.05	Trims, fits and finishes wall carpet installation.	ability to correctly trim and fit wall carpet to abutments and open ends									

Sub-tasks	Enabling Objectives	Tools & Equipment
19.02 Consults manufacturers' specification.	knowledge of correct installation recommendations for tackless strips including correct type and form to use, correct placement on risers and steps; spacings and margins along ends and sides of stairs and nailing/gluing of tackless strips knowledge of correct installation recommendations for undercushions including correct type of undercushion to use, correct fastening on stairs and using double layers of undercushion knowledge of correct installation recommendations for carpeting including straight stairs closed or open sides, wrap-arounds or capped in waterfall or cap and band finish; winder stairs closed or open sides, in waterfall or cap and band finish; circular or spiral stairs closed or open sides, in waterfall or cap and band finish, bullnose or step returns, in waterfall or cap and band finish; stairs with balusters and newel post, etc.	manufacturers' installation manual
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND

Sub-tasks	Enabling Objectives	Tools & Equipment
19.03 Installs carpets on stairs including tufted carpets, woven carpets and others.	knowledge of tools required to install carpets on stairs ability to correctly prepare carpets with consideration to pile direction: pattern matching; achieve neat fit; include fitting allowances; include stair change allowances and seaming or joining allowances ability to correctly install carpets to stairs including correctly starting and placing carpet to stairs; correctly hooking, stretching and tucking carpets on stair steps; correctly stretching and fastening carpet under stair nosing and side of step; correctly trimming and fitting carpet to stairs and correctly conducting final touch-ups and finishing tasks	strip cutter, hammer, nails, pad knife, shears, staple gun, staples, knee kicker, stair tool, rubber mallet, carpet knife, straight edge, square

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Task 20 Measures, cuts, fits, stretches and installs runner carpets to stairs, landings and adjoining hallways and installs all types of glue-down carpets to stairs by glue-down techniques.

Trend: Most stairs are covered with carpets by the conventional installation techniques.

Sub-tasks	Enabling Objectives	Tools & Equipment
20.01 Measures stairs and landings and calculates	knowledge of methods to correctly measure stairs to	measuring tape, pencil, paper

Sub-tasks		Enabling Objectives	Tools & Equipment									
quantities of carpet and accessories required.		determine carpet requirement										
		ability to develop carpet layout and cutting plan										
		ability to mathematically calculate material requirements										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
20.02 Consults manufacturers' specifications.		knowledge of methods and techniques to correctly install runner carpets to stairs and landings in accordance with manufacturers' specifications										
		knowledge of methods and techniques to correctly install carpet undercushions for carpet runner installation in accordance with manufacturers' specifications										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	no	yes	yes	yes	yes	yes	NR	ND	
20.03 Installs runner carpet to stairs and landings.		ability to establish layout reference marks corresponding to width of undercushion and carpet	chalk line, measuring tape, pen, pad knife, stapler, carpet knife, shears, knee kicker, stair tool, rubber mallet, straight edge, square, hammer and tacks									
		ability to install carpet undercushions for marginal carpet coverage										

Sub-tasksEnabling ObjectivesTools & Equipment

ability to install runner
carpets to straight stairs
and landings, winder stairs
and landings and circular
and other types of stairs

ability to correctly finish
ends and sides of runner
carpets

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

20.04 Installs glue-down
carpets to stairs
including jute/
synthetic back
types, expanded
rubber/vinyl back
types and solid
rubber/vinyl back
types.

knowledge of methods to
correctly install glue-down
carpets to stairs

knowledge of types of
adhesives recommended and
techniques to correctly
apply adhesives recommended

ability to correctly
measure stairs for glue-
down carpet installation

ability to correctly
prepare carpet for glue-
down installation

ability to apply adhesive
and correctly place carpet
to cover stairs

ability to correctly trim
and fit carpet to stairs

ability to install glue-
down carpet to steps and
risers individually

ability to install glue-
down carpet to stairs in
one continuous piece

measuring tape,
chalk line, carpet
knife, shears,
straight edge,
square, adhesive
applicator,
adhesive, carpet
knife, knee
kicker, stair
tool, hammer

Sub-tasks	Enabling Objectives										Tools & Equipment
	ability to install glue-down carpet to bullnosed and capped steps										
	ability to perform final touch-ups and finishing tasks										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Task 21 Prepares subfloors, installs protective edgings, measures areas, establishes layout lines, applies adhesive and installs, fits and cuts all types of modular carpets (carpet tiles).

Trend: Since introduction of under-carpet wiring system, modular carpet installations are gaining popularity in office and commercial installations.

Sub-tasks	Enabling Objectives										Tools & Equipment
21.01 Prepares subfloors.	knowledge of basic subfloor requirements										broom, scraper, sanding/grinding
	ability to clear areas, if and when required including removing furniture, existing wallbase, doors and other obstacles										
	ability to correctly prepare subfloors including removal of contaminates, sanding, grinding, patching, levelling, installing wood or mastic underlayments and checking for moisture										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Sub-tasks		Enabling Objectives	Tools & Equipment								
21.02	Ensures satisfactory job site conditions.	knowledge of temperature requirements prior to, during and after the installation of carpet tiles									
		knowledge of light, power and heat requirements during installation of carpet tiles									
		ability to arrange for areas to be free of traffic, other workers, stock being placed or any other interference during the installation of carpet tiles									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

21.03	Installs protective edgings including clamp-down bars, reducer bars, snap-on binder bars, etc.	knowledge of basic types of protective edgings recommended for open end carpet finishes	hack saw, metal shears, hammer, nails								
		knowledge of correct methods of installing various types of protective edgings									
		ability to correctly cut, fit and install all types of protective edgings in doorways and other open-end areas									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Sub-tasks	Enabling Objectives	Tools & Equipment
21.04 Measures areas and calculates quantities of carpet tiles and accessories required.	knowledge of methods and techniques to correctly measure areas to receive modular carpet (carpet tiles) knowledge of methods and techniques to check squareness of areas ability to make simple drawings or comprehensive layout sketches ability to correctly layout areas for carpet tile installation with consideration to direction of pile lay and pattern of carpet tiles; balanced or nearly balanced border tiles at all prominent walls; use of least number of carpet tiles; economy of cutting and fitting carpet tiles and ease of installation within manufacturers' recommendations ability to develop an accurate layout plan, showing layout lines, starting point of installation and size of fills at end and side walls ability to mathematically calculate total square metre (m²) (square feet) of carpet tiles required to cover areas ability to cross-check area requirements with materials delivered ability to calculate floorcovering requirements in both Imperial and Metric system	

Sub-tasks	Enabling Objectives	Tools & Equipment
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ability to estimate carpet
tile installation accessory
products

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

21.05 Consults carpet
tile manufacturers'
specifications.

knowledge of correct
installation
recommendations for
expanded or solid rubber-
back carpet tiles; expanded
or solid vinyl-back carpet
tiles; expanded urethane-
back carpet tiles;
synthetic fibre/bitumen-
back carpet tiles and other
types, as available

knowledge of correct
adhesive recommended for
each type of carpet tile
specified

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

21.06 Prepares for
installation of
carpet tiles.

knowledge of basic
requirements of acceptable
subfloor in accordance with
manufacturers'
recommendations for types
of carpet tiles being
installed

ability to measure and
layout areas including
establishing squareness of
areas and establishing
reference marks in
accordance with size of

measuring tape,
chalk line,
marking pen

Sub-tasks	Enabling Objectives	Tools & Equipment
	fills or border width specified at end and side walls and pattern designs	
	knowledge of directional characteristics of carpet tiles and how it influences appearance and method of installation including pile lay of tiles in same direction; and pile lay of tiles alternating at every other tile	
	ability to check dye lot and colour match of carpet tiles	
	knowledge of various types of adhesives recommended for carpet tile installation including latex dispersion adhesives, acrylic dispersion adhesives, polyurethane-base adhesives, epoxy adhesives and tack-bond adhesives	
	ability to consult adhesive manufacturers' instructions pertaining to adhesive set-up time; spacing and depth of trowel teeth; area to be spread at a time; grade level and type of subfloor	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
	<u>NB</u> ND	<u>PQ</u> yes
	<u>ON</u> yes	<u>MA</u> yes
	<u>SK</u> yes	<u>AB</u> yes
	<u>BC</u> yes	<u>NT</u> NR
		<u>YK</u> ND
21.07 Installs modular carpet (carpet tiles).	ability to strike parallel and perpendicular chalk lines for square layout installation	chalk line, straight edge, square, adhesive applicator, adhesive, carpet knife, divider/

Sub-tasks	Enabling Objectives	Tools & Equipment
	ability to select and apply adhesive to subfloor in accordance with manufacturers' recommendations	scriber, carpet tile, roller
	ability to start and lay carpet tiles by pyramid technique	
	ability to install and complete field tiles in accordance with manufacturers' recommendation	
	ability to fit carpet tiles to straight and irregular surfaces	
	ability to cut, trim and place carpet tiles to fit vertical surfaces	
	ability to fit carpet tiles using template and/or scribing tools for difficult irregular vertical surfaces	
	ability to fit carpet tiles to other flooring and protective edgings	
	ability to correctly roll carpet tiles, remove cuttings and complete final adjustments	

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

BLOCK F RESILIENT TILE INSTALLATION

Task 22 Prepares and readies all types of subfloors, measures areas and establishes layout lines, selects and applies adhesives to subfloors.

Sub-tasks	Enabling Objectives	Tools & Equipment
22.01 Prepares subfloors.	knowledge of basic subfloor requirements ability to clear areas, if and when required including removing furniture, existing wallbase, doors and other obstacles ability to correctly prepare subfloors including removal of contaminates, sanding, grinding, patching, levelling, installing wood or mastic underlayments and checking for moisture	broom, scraper, sanding/grinding
	<u>NF</u> <u>NS</u> <u>PE</u> <u>NB</u> <u>PQ</u> <u>ON</u> <u>MA</u> <u>SK</u> <u>AB</u> <u>BC</u> <u>NT</u> <u>YK</u> ND ND yes ND yes yes yes yes yes yes NR ND	
22.02 Ensures satisfactory job site conditions.	knowledge of temperature requirements prior to, during and after installation or resilient tiles knowledge of light, power and heat requirements during installation of resilient tiles ability to arrange for areas to be free of	

Sub-tasks	Enabling Objectives	Tools & Equipment
	traffic, other workers, stock being placed or any other interference during installation of resilient tiles	
<u>NF</u> ND <u>NS</u> ND <u>PE</u> yes <u>NB</u> ND <u>PQ</u> yes <u>ON</u> yes <u>MA</u> yes <u>SK</u> yes <u>AB</u> yes <u>BC</u> yes <u>NT</u> NR <u>YK</u> ND		
22.03 Measures areas and calculates quantities of resilient tiles and accessories required.	knowledge of methods to correctly measure areas to receive resilient tiles knowledge of methods to check squareness of areas ability to make simple drawings or comprehensive layout sketches ability to correctly layout area for resilient tile installation with consideration to direction of graining and pattern of resilient tiles; balanced or nearly balanced border tiles at all prominent walls; use of least number of resilient tiles; economy of cutting and fitting resilient tiles and ease of installation within manufacturers' recommendations ability to develop accurate layout plan, showing layout lines, starting point of installation and size of fills at end and side walls ability to mathematically calculate total square metre (m²) (square feet) for area to be covered with resilient tiles	

Sub-tasks		Enabling Objectives										Tools & Equipment	
		ability to cross-check area requirements with materials delivered											
		ability to calculate floorcovering requirements in both Imperial and Metric system											
		ability to estimate accessory products for resilient tile installation											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND		
22.04	Consults resilient tile adhesive specifications for types recommended including asphalt-base adhesives, latex dispersion adhesives, latex-resin base adhesives, acrylic dispersion adhesives, alcohol-resin base adhesives, polyurethane-two component adhesives, epoxy adhesives, sealers and primers and other types.	knowledge of all basic types of adhesives used in industry for resilient tile installations										Workers' Compensation Board Industrial Health and Safety Regulations, face mask, floor fan, ventilation	
		ability to describe associated product data information of adhesives used for resilient tile installations including basic composition of adhesive; carrier, i.e. water, solvent, etc.; flammability factor; freezeability factor; general working characteristics and clean-up of spilled adhesive											
		knowledge of adhesive manufacturers' recommended use and application for installation of vinyl composition tiles, homogeneous vinyl tiles, rubber tiles, linoleum, cork and other types of tiles											
		knowledge of basic subfloor requirements for											

Sub-tasksEnabling ObjectivesTools & Equipment

application of adhesives and resilient floor tiles including knowledge of subfloor types and surface finish requirements; subfloor grade level and types being suitable for adhesive and floor tiles; moisture testing and interpretation procedures; correct temperature of area and subfloor before, during and after installation of adhesive and tiles

knowledge of all applicable safety precautions when working with adhesives including all safety precautions when working with flammable adhesives; use of protective equipment when working with adhesives containing irritation and/or toxic ingredients and ensuring that areas where adhesives are used are well ventilated

knowledge of important handling procedures prior to using adhesives including mixing instructions; checking bond or holding strength of adhesive; traffic restrictions during cure period of adhesive and checking expiry date of adhesive

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

22.05 Consults primer specifications for types recommended.

knowledge of associated product data information relative to primers

Sub-tasks	Enabling Objectives	Tools & Equipment
	knowledge of basic subfloor requirements for application of primers	
	knowledge of types of floor tiles requiring primer prior to installation of adhesive	
	knowledge of need and reason for priming subfloors	
	knowledge of safety precautions when using primers	

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	no	yes	yes	yes	yes	yes	NR	ND

22.06 Prepares for application of adhesive.

ability to read and interpret adhesive application instructions

adhesive applicator, hand mixer, mechanical mixer (drill)

ability to select correct adhesive applicator for spread rate recommended

ability to observe safety rules and restrict traffic during application of adhesive

ability to correctly mix adhesives using hand or mechanical mixers

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Sub-tasks	Enabling Objectives	Tools & Equipment
22.07 Applies adhesives and primers.	ability to correctly apply adhesives to floors, close to walls and other vertical surfaces ability to maintain proper spread rate during application of adhesive knowledge of requirement to observe at all times correct set-up time and open-time of adhesive ability to follow manufacturers' instructions when using solvents and other agents for cleaning tools, flooring and other adhesive soiled objects	adhesive applicator, triangular file, trowel teeth notcher, cleaning cloth and cleaners, solvents
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
	<u>NB</u> ND	<u>PQ</u> yes
	<u>ON</u> yes	<u>MA</u> yes
	<u>SK</u> yes	<u>AB</u> yes
		<u>BC</u> yes
		<u>NT</u> NR
		<u>YK</u> ND

Task 23 Installs, cuts and fits all types, sizes and gauges of resilient tiles in variety of residential and commercial buildings.

Trend: No apparent changes.

Sub-tasks	Enabling Objectives	Tools & Equipment
23.01 Consults resilient tile manufacturers' specifications for installation recommendations.	knowledge of correct installation recommendations for composition vinyl tiles, homogeneous vinyl tiles, rubber tiles, linoleum tiles, cork tiles, conductive tiles and other types knowledge of correct type of adhesive recommended for	installation specifications

Sub-tasks	Enabling Objectives										Tools & Equipment
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each class of resilient
tiles

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

23.02 Prepares for
installation of
resilient tiles.

knowledge of basic
requirements of acceptable
subfloors in accordance
with manufacturers'
recommendations

installation
specifications,
measuring tape,
chalk line,
marking pen

ability to measure and
layout areas including
establishing squareness of
areas; establishing
reference marks in
accordance with size of
fills or border width
specified at end and side
walls and pattern or
multicolour designs

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

23.03 Establishes
direction of tile
lay.

knowledge of directional
characteristics of
resilient tiles and how it
influences appearance and
methods of installation
including tile grain
running in one direction,
tile grain alternating at
every other tile and tiles
laid ashlar

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Sub-tasks		Enabling Objectives	Tools & Equipment								
23.04	Ensures correct material deliveries.	ability to check dye lot and colour match code of resilient tiles ability to select correct adhesive for each class of resilient tiles and accessories									
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> no	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
23.05	Measures and lays out areas.	ability to measure, layout, strike parallel and perpendicular chalk lines in combined room and hallway areas; areas having alcoves, walls not parallel or irregular shape; areas requiring layout around fixed objects; circular or half circular areas; areas requiring inserts within field tiles; areas specified to receive multicolour design work and other areas	measuring tape, chalk line, marking pen								
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
23.06	Installs vinyl composition tiles.	ability to apply adhesive over entire area (black out) leaving layout reference marks visible ability to snap parallel and perpendicular layout lines through reference points	adhesive applicator, chalk line, divider, pencil, knife, tile cutter, scoring tool, bar scriber								

Sub-tasks	Enabling Objectives	Tools & Equipment
	ability to install first rows of tiles along chalk line	
	ability to lay field tiles by pyramid or stair step technique	
	ability to scribe and fit tiles to straight and irregular surfaces	
	ability to cut, trim and place tiles to fit straight and irregular surfaces	
	ability to use tile cutter for tight or loose fitting resilient tiles	
	ability to score and break tiles for tight or loose fitting of resilient tiles	
	ability to fit tiles with use of template or scribing tool	
	ability to correctly roll tile installation, remove cuttings, clean tiles and make final adjustments	

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

23.07	Prepares for installation of tiles by wet-lay technique for homogeneous vinyl tiles, rubber tiles, linoleum tiles, cork tiles, modified rubber/vinyl tiles and other types.	ability to layout areas for wet-laying procedure including establishing squareness of area and striking parallel and perpendicular layout lines corresponding with size of fills specified; least amount of tiles required; economy of cutting and	measuring tape, chalk line, pencil, adhesive specification
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Sub-tasks		Enabling Objectives					Tools & Equipment				
		fitting tiles and ease of installation									
		knowledge of correct use and application procedures of wet-bond adhesives including adhesive set-up time; spacing and depth of trowel teeth; area to be spread at a time and type of subfloors and grade level									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

23.08	Installs resilient tiles by wet-laying technique.	ability to correctly apply wet-bond adhesives to subfloors, spreading no more than is possible to cover with tiles before adhesive will set firm	adhesive applicator, cleaning cloth, cleaner, knife, pencil, divider, flooring roller								
		ability to install first rows of tiles along chalk line									
		ability to install field tiles and apply adhesive as installation progresses									
		ability to lay tiles perfectly straight and square as installation progresses									
		ability to clean and roll tiles as each section is installed									
		ability to scribe and fit border or fill tiles to straight and irregular surfaces									

Sub-tasks	Enabling Objectives	Tools & Equipment
	graining, design and colour of tiles	
	ability to lay field tiles by stair-step technique	
	ability to use tile cutters diagonal attachment for fitting tiles to straight walls	
	ability to use template for marking and fitting tiles diagonally to straight and irregular surfaces	
	ability to correctly roll entire installation, remove cuttings, clean tiles and make final adjustments	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
	<u>NB</u> ND	<u>PQ</u> yes
	<u>ON</u> yes	<u>MA</u> yes
	<u>SK</u> yes	<u>AB</u> yes
	<u>BC</u> yes	<u>NT</u> NR
		<u>YK</u> ND

Task 24 Prepares subfloors, measures areas, establishes layout lines, applies primer and/or adhesive and installs, fits and cuts all types, sizes and gauges of conductive resilient floor tiles.

Trend: The use of conductive resilient floorcoverings is on a definite increase, as more localities, such as, hospital operating rooms, areas containing electronic equipment and computers require an electro-static free environment.

Sub-tasks	Enabling Objectives	Tools & Equipment
24.01 Consults conductive tile manufacturers' specifications for installation recommendations of conductive tiles.	knowledge of types of conductive tiles available knowledge of conductive accessory products available including conductive floor patches, conductive primers, conductive adhesives and copper stripping	product specifications

Sub-tasks	Enabling Objectives	Tools & Equipment
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knowledge of areas and situations requiring conductive flooring

knowledge of basic conductivity requirements for tile flooring installed in certain areas

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

24.02 Prepares areas for conductive tile installation.

ability to correctly layout areas and establish correct fill sizes of tiles along end and side walls

measuring tape, chalk line, installation specifications

knowledge of grounding requirements in accordance with manufacturers' recommendations

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

24.03 Installs conductive tile.

ability to install in accordance with manufacturers' specifications conductive copper stripping where required, conductive primer, conductive adhesive and regular adhesive

ability to install, cut and fit all types of conductive tiles in strict accordance with manufacturers' specifications

ability to correctly roll entire installation, remove

installation specifications, shears, knife, flat trowel, adhesive applicator, scribe, pencil, tile cutter, flooring roller, cleaning cloth, cleaner, testing specification

Sub-tasks	Enabling Objectives		Tools & Equipment								
	cuttings, clean tiles and make final adjustments										
	knowledge of conductive tile testing procedures in accordance with manufacturers' specifications										
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND

BLOCK G SHEET GOODS INSTALLATION

Task 25 Prepares and readies all types of subfloors, measures, lays out, cuts, trims, applies adhesive, seams, fits and installs all types of commercial and residential resilient sheet goods.

Trend: Most of this type of work was performed in the past by specialized installers, the current trend is to have greater numbers of tradespersons perform this task.

Sub-tasks	Enabling Objectives	Tools & Equipment
25.01 Prepares subfloors.	knowledge of basic subfloor requirements	manufacturers' specifications
	ability to clear areas, if and when required, including removing furniture, existing wallbase, doors and other obstacles	
	ability to correctly prepare subfloors including removal of contaminates, sanding, grinding, patching, levelling,	

Sub-tasksEnabling ObjectivesTools & Equipment

ability to correctly layout
area for sheet goods
installation with
considerations to direction
of seams; location of
length and cross seams;
placement of fills; proper
allowances for end and side
fittings; proper allowances
for pattern matching, use
of least number of seams
and amount of materials;
ease of installation and
best appearance of
installation

ability to develop accurate
layout plan, showing
length, width, seams and
fills required

ability to mathematically
calculate material
requirements

ability to cross-check area
requirements with materials
delivered

ability to calculate
floorcovering requirements
in both Imperial and Metric
system

ability to estimate
floorcovering accessory
products

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

25.04 Consults sheet
goods adhesive
specifications for
types recommended,
such as, latex
dispersion
adhesives, latex-

knowledge of all basic
types of adhesives used in
industry for sheet goods
installations

ability to describe
associated product data

adhesive
specification/
label, Workers'
Compensation Board
Industrial Health
and Safety
Regulations,

Sub-tasks	Enabling Objectives	Tools & Equipment
resin adhesives, acrylic dispersion adhesives, alcohol- resin base adhesives, linoleum adhesives, polyurethane two component adhesives, epoxy adhesives, special adhesives and primers and sealers.	information of adhesives used for sheet goods installation including basic composition of adhesive; carrier (i.e. water, solvent, etc.); flammability factor; freezeability factor; general working characteristics and clean- up of spilled adhesive knowledge of adhesive manufacturers' recommended use and application recommendations for installations of mineral fibre composition back types of sheet goods; solid or expanded vinyl back types of sheet goods; vinyl composition back types of sheet goods; solid vinyl (homogeneous) types of sheet goods; linoleum and rubber sheet goods knowledge of basic subfloor requirements for application of adhesives and sheet goods including knowledge of subfloor types and surface finish requirements; subfloor grade level and types being suitable for adhesive and sheet goods; moisture testing and interpretation procedures; correct temperature of area and subfloor before, during and after installation of adhesive and sheet goods knowledge of all applicable safety precautions when working with adhesives including all safety precautions when working with flammable adhesives; use of protective equipment	floor fan, ventilator

Sub-tasks	Enabling Objectives	Tools & Equipment
	sharpening knives and other cutting tools	
	knowledge of methods to correctly transport and handle full rolls	
	ability to correctly divide length cuts required into length measurements of rolls, to establish utilization and/or waste factors of rolls before cutting	
	knowledge of marking and storing pattern materials in same sequence as cut from roll	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
	<u>NB</u> ND	<u>PQ</u> yes
	<u>ON</u> yes	<u>MA</u> yes
	<u>SK</u> yes	<u>AB</u> yes
	<u>BC</u> yes	<u>NT</u> NR
		<u>YK</u> ND
25.07	Squares ends and sides of sheet goods.	ability to square sides and ends of sheet goods using T-square, using square and straight edge, applying 3:4:5 method, by tubing or lapping sheet goods and using plumbline for standing rolls
		square, T-square, measuring tape, chalk line, pen
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
	<u>NB</u> ND	<u>PQ</u> yes
	<u>ON</u> yes	<u>MA</u> yes
	<u>SK</u> yes	<u>AB</u> yes
	<u>BC</u> yes	<u>NT</u> NR
		<u>YK</u> ND
25.08	Trims sheet goods.	knowledge of manufacturers' sheet goods trimming recommendations
		knives, edge trimmer, straight edge
		knowledge of various types and uses of trimming tools

Sub-tasks		Enabling Objectives	Tools & Equipment								
		ability to use correct trimming tool for various types of sheet goods									
		ability to correctly trim sheet goods using straight edge or square as guide									
		ability to trim sheet goods perfectly square and straight									
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
25.09	Free-hand fits all types of sheet goods to straight and irregular surfaces.	knowledge of types and uses of trimming tools ability to correctly free-hand fit cushion vinyl flooring; inlaid vinyl flooring; flexible PVC flooring; rubber flooring; linoleum and other types to straight and irregular vertical surfaces; door frames, casings and jambs; counter bases and other recessed areas; pipes, posts and other round objects	fitting knives, sharpening stone								
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
25.10	Applies correct free-hand fitting techniques when installing sheet goods.	ability to apply correct free-hand fitting techniques when installing sheet goods, such as, safety cuts at inside and outside corners; down cuts and cross cuts to relieve strain along side or end	fitting knives, sharpening stone								

Sub-tasks	Enabling Objectives	Tools & Equipment
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walls; safety cuts around pipes and posts; cuts and joins at rear or side of pipes or posts

ability to correctly free-hand fit sheet goods to achieve loose or tight fit to vertical surfaces

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

25.11 Fits sheet goods by direct scribing to straight and irregular surfaces.

knowledge of types and uses of scribing tools

ability to correctly scribe sheet goods to fit straight and irregular surfaces at both end and side walls

ability to correctly cut and trim scribed sides to tight fit both end and side walls

ability to correctly scribe and fit sheet goods to straight surfaces using strip measuring technique

divider, bar scriber, marking pen, fitting knives, measuring tape

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

25.12 Fits sheet goods to counter bases, such as, rectangular types, L-shape types, U-shape types, T-shape types and other types.

knowledge of methods to scribe and fit sheet goods to recessed counter bases

knowledge of types and uses of scribing and fitting tools

measuring tape, marking pen, straight edge, square, pen, bar scriber, knife

Sub-tasksEnabling ObjectivesTools & Equipment

ability to correctly place
and align sheet goods in
front of counter bases

ability to correctly
measure, plot and project
outlines of counter bases
to sheet goods

ability to correctly
scribe, cut and fit sheet
goods to counter bases and
other recessed surfaces

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

25.13 Pattern scribes
sheet goods.

knowledge of methods to
correctly pattern scribe
entire rooms or areas
containing fixed objects,
straight, curved, angled or
irregular vertical surfaces

installation
manual, pattern
felt, marking pen,
divider knives,
tape, square,
straight edge

knowledge of types and uses
of pattern scribing tools

knowledge of types of
pattern materials
recommended for pattern
scribing

ability to correctly place
pattern felt, key and hold
pattern in place, scribe
and mark pattern felt,
transcribe marks from felt
to flooring material, cut
and place flooring material
into position

ability to combine pattern
scribing with free-hand
fitting

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	no	yes	yes	yes	NR	ND

Sub-tasks		Enabling Objectives	Tools & Equipment								
25.14	Installs plain or non-directional sheet goods, such as, cushioned or non-cushioned rotogravure types of sheet goods; inlaid vinyl types of sheet goods and other similar types of sheet goods.	knowledge of plain sheet goods installation procedures including determining lay of sheet goods; scribing or prefitting field material; removing flooring; applying adhesive and returning flooring; cutting and finishing seams; fitting to and around obstructions, rolling and finishing installation	manufacturers' installation specifications								
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
25.15	Correctly lays out sheet goods.	ability to correctly layout sheet goods in sequence as directed by manufacturers to achieve least number of seams; use of least amount of material; best colour shade or pattern match and best overall appearance	measuring tape, marking pen, wall trimmer								
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
25.16	Correctly fits sheet goods.	ability to scribe or prefit sheet goods to straight or irregular vertical surfaces, such as, in one width installations and two or more widths installations ability to fit sheet goods to counter bases or other recessed areas	knives, scribes, measuring tape, wall trimmer								

Sub-tasks		Enabling Objectives	Tools & Equipment
		ability to tube or lap sheet goods for adhesive application	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND
		<u>PQ</u> yes	<u>ON</u> yes
		<u>MA</u> yes	<u>SK</u> yes
		<u>AB</u> yes	<u>BC</u> yes
		<u>NT</u> NR	<u>YK</u> ND
25.17	Installs patterned sheet goods, such as, cushioned or non-cushioned rotogravure types of sheet goods; inlaid vinyl types of sheet goods and other similar types of sheet goods.	knowledge of common types of pattern repeats manufactured, such as, set match and running match knowledge of pattern matching principles and practical application methods knowledge of which types of pattern repeats are installed in reverse or non-reverse positions ability to prepare for patterned sheet goods installation including establishing direction of lay; determining base wall from which all sheets should start; determining the most distant point that is to be covered for each sheet and cutting each sheet except the last or first, to a length equal to a whole multiple of the design repeat	installation manual, straight edge, square, knife, measuring tape, marking pen
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND
		<u>PQ</u> yes	<u>ON</u> yes
		<u>MA</u> yes	<u>SK</u> yes
		<u>AB</u> yes	<u>BC</u> yes
		<u>NT</u> NR	<u>YK</u> ND
25.18	Correctly lays out patterned sheet goods.	ability to lay out patterned sheet goods in same sequence as cut from roll and with sheets	

Sub-tasks		Enabling Objectives								Tools & Equipment		
					reversed or as cut from roll							
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
25.19	Correctly matches patterned sheet goods.				ability to scribe or prefit first length of sheet goods and align and prefit all other widths, perfectly matching along seams				knives, scriber, marking pen			
					ability to correct slight mismatches of patterns along seams							
					ability to tube or lap sheet goods for adhesive application							
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
25.20	Selects adhesive for sheet goods installation.				ability to check adhesive and substantiate suitability by reading and analyzing specification and application instructions				adhesive specification/ label, adhesive applicator, mixing tool			
					ability to select correct adhesive applicator for product specified							
					ability to observe safety rules and restrict traffic during application of adhesive							
					ability to correctly mix adhesive							
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	

Sub-tasks		Enabling Objectives	Tools & Equipment								
25.21	Applies adhesive to subfloors.	ability to correctly apply adhesive to floors, close to walls and other vertical surfaces	adhesive applicator, adhesive, manufacturers' installation specifications								
		ability to apply adhesive around perimeter of areas and under seams in accordance with manufacturers' recommendations									
		ability to maintain proper spread rate during application of adhesive									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND
25.22	Observes adhesive manufacturers' recommendations.	ability to observe at all times the correct set-up time and open-time of adhesive	manufacturers' installation recommendations								
		ability to follow manufacturers' instructions when using solvents and other agents for cleaning tools, flooring and other adhesive soiled objects									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND
25.23	Prepares for seaming cushioned or non-cushioned rotogravure; inlaid vinyl or similar types of sheet goods using double cut technique; single-cut	knowledge of types and uses of seaming tools	marking pen, measuring tape								
		knowledge of methods and techniques to correctly seam sheet goods in accordance with the manufacturers' recommendations									

Sub-tasks			Enabling Objectives								Tools & Equipment		
technique and recess scribed technique.			ability to correctly align sheet goods and match patterns along seams										
			ability to correctly overlap edges, leaving sufficient material at all points to permit proper matching and seam cutting										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND		
25.24	Seams sheet goods.		ability to trim edges of sheet goods using various types of knives and edge trimmers								knives, edge trimmer, straight edge, seam scribe, wet cloth		
			ability to correctly seam sheet goods in accordance with manufacturers' recommendations including cutting edges of sheet goods straight and square; scribing/cutting seams at appropriate location to achieve correct pattern match; cutting seams to fit tight, without edge pressure and placing cut edges of sheet goods to form flush surface										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND		
25.25	Finishes seams in accordance with manufacturers' recommendations.		ability to correctly complete and finish seams including thorough cleaning of seams; proper rolling and pressing along seam area; removing burred edges of seam and placing								cleaning cloth, mineral spirits, linoleum knife, seam roller, sand bags, seam sealer and applicator		

Sub-tasks		Enabling Objectives								Tools & Equipment			
		weights, if required, on seams											
		ability to correctly seam-seal or coat seams in accordance with manufacturers' recommendations for type of sheet goods installed											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND		
25.26	Completes special seams.	ability to correctly cut and finish special seams when specified or considered suitable, such as, seaming within or around pattern design and cutting scalloped or saw toothed seams								straight edge, knives, seam scriber, seam roller			
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND		
25.27	Finalizes sheet goods installations.	ability to correctly finish fitting sheet goods to straight and irregular surfaces as tightly as required								knives, wall trimmer, hacksaw, screwdriver, screws, contact adhesive, floor roller, sealer, caulk			
		ability to finalize sheet goods installations including installing protective edgings in doorways or other open ends; rerolling entire installation; checking for bubbles, loose ends or sides and applying sealers, where required											

Sub-tasks	Enabling Objectives	Tools & Equipment
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back types and
vinyl back types.

ability to apply special
cutting and trimming
techniques

ability to comply with
basic recommendations
pertaining to correct
handling of sheet goods
during installation;
contraction or expansion
characteristics of sheet
goods before and during
installation; distortions
within rolls and pattern
run-outs

knowledge of special
subfloor considerations
affecting number of sheet
goods, such as, staining
from paints and other
contaminates

knowledge of using only
recommended adhesives for
types of sheet goods
specified

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

25.30 Seams variety of
different types of
sheet goods, such
as, mineral fibre
back types and
vinyl back types.

ability to correctly cut
and finish seams as
specified by manufacturer
of flooring material
including applying special
pattern matching
procedures; cutting seams,
tight, net or loose
depending on types of sheet
goods and seam finish
specified and finishing
seams by seam sealing,
coating or heat welding

installation
manual, straight
edge, knives, seam
scriber, seam
roller, seam
sealer or heat
seam welding
equipment

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Sub-tasks	Enabling Objectives	Tools & Equipment
25.31 Fits and finishes variety of different types of sheet goods, such as, mineral fibre back types and vinyl back types.	ability to apply all standard fitting techniques including straight scribing, pattern scribing, free-hand fitting and strip measuring ability to finalize sheet goods installation including rolling, rerolling entire flooring installation; checking for bubbles and loose ends or sides; installing protective edgings at open ends; conducting touch ups and finishing tasks, restricting traffic as per manufacturers' recommendations	knives, scribes, measuring tape, marking pen, floor roller, cutting and installation tools, specification manual

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Task 26 Installs all types of sheet goods requiring specific seam treatments and/or individualized installation procedures.

Trend: Most of the work in this specialized section of the trade is performed by installers who have acquired the special skills necessary to work effectively in this part of the trade.

Sub-tasks	Enabling Objectives	Tools & Equipment
26.01 Installs flexible PVC and linoleum sheet goods.	knowledge of manufacturers' recommended installation procedures for flexible PVC and linoleum sheet goods ability to employ all basic installation recommendations in regards to correct handling and layout of flexible PVC and linoleum sheet goods	manufacturers' installation manual and specifications, adhesive applicator, fitting knives, floor roller

Sub-tasksEnabling ObjectivesTools & Equipment

ability to match patterns
or colour shading by
reverse or non-reverse
installation system

ability to tube or lap
sheet goods, apply adhesive
to subfloors, observe
adhesive open time and
return sheet goods on to
adhesive

ability to correctly fit
sheet goods to vertical
surfaces, doorways,
projections, open ends,
etc. using all standard
fitting techniques

ability to correctly roll
sheet goods and ensure
adequate bond throughout
installation

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

26.02 Seams linoleum
sheet goods.

ability to correctly
prepare, cut and finish
seam in linoleum sheet
goods in accordance with
manufacturers'
recommendations

seam scribe,
seaming knives,
seam roller

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

26.03 Seams flexible PVC
sheet goods.

ability to correctly
prepare, cut and finish
seams in flexible PVC sheet
goods in accordance with
manufacturers'
recommendations

seam scribe,
seaming knives,
seam roller, seam
seal applicator
kit

Sub-tasks	Enabling Objectives	Tools & Equipment
	ability to correctly apply seam sealer, if specified, and follow all safety precautions when using liquid seam sealer	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
	<u>MA</u> yes	<u>SK</u> yes
	<u>AB</u> yes	<u>BC</u> yes
	<u>NT</u> NR	<u>YK</u> ND
26.04	Prepares for heat seaming flexible PVC and linoleum sheet goods seams.	knowledge of all functions, temperature settings, accessories and safety precautions for all commonly used heat welding equipment and accessories
		ability to operate electric chamfering machines, hand grooving tools, automatic and hand held heat-welding equipment and trimming tools
		knowledge of types and colours of heat welding threads (rods) available for flexible PVC and linoleum seam welding
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
	<u>MA</u> yes	<u>SK</u> yes
	<u>AB</u> yes	<u>BC</u> yes
	<u>NT</u> NR	<u>YK</u> ND
26.05	Heat welds flexible PVC and linoleum sheet goods seams.	manufacturers' installation manual, seaming tools, electric and hand seam groover, heat welding gun, heat thread, automatic welder, welding thread, trimming tools
	ability to correctly prepare, cut and place seams as specified by manufacturer	
	ability to correctly seam groove PVC and linoleum sheet goods using electric chamfering machine or hand grooving tools	

Sub-tasks	Enabling Objectives	Tools & Equipment
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ability to correctly heat weld seams and joints using appropriate heat thread as recommended by manufacturer

ability to correctly trim and finish heat welded seams and joints as recommended by manufacturer

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

26.06 Installs borders and/or feature strips within sheet goods installations.

knowledge of basic procedures and recommendations of border and/or feature strip installations

ability to complete border and/or feature strip installations including establishing direction of lay; cutting border or feature strip to size; establishing layout lines; scribing and fitting border materials to vertical surfaces; applying adhesive and placing material; fitting inside and outside corners of border material

installation manual, layout tools, fitting knives, scribing tools, seaming tools, adhesive applicator, floor roller, seam finishing tools

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

26.07 Installs field material.

ability to install field material and complete seams

ability to scribe and/or fit border and feature strip material to field material

layout tools, fitting knives, scribing tools, seaming tools, adhesive applicator, floor roller, mineral

Sub-tasks		Enabling Objectives								Tools & Equipment			
		ability to correctly fit and finish mitred corners in flash cove installations								applicator, hand roller, square			
		ability to correctly fit and finish V-corners in flash cove installations											
		ability to correctly fit and finish inside corners in flash cove installations											
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND		
26.11	Installs two or more widths of sheet goods by flash coving.	ability to flash cove entire areas using two and more widths of sheet goods								regular and special coving tools			
		ability to correctly flash cove sheet goods around posts, under toe kicks and other difficult areas											
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND		
26.12	Border coves sheet goods.	ability to correctly prepare areas, install field material, flash cove border material and complete inside and outside corners								regular and special coving tools			
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND		

Sub-tasks	Enabling Objectives	Tools & Equipment
26.13 Finishes flash coved installations.	ability to clean seams, roll entire installation and seal/weld seams and inside and outside corners	cleaning cloth, mineral spirits, seam seal kit or heat welding tools, floor roller
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND

BLOCK H SPECIALTY PRODUCT INSTALLATIONS

Task 27 Prepares and readies all types of surfaces, measures, lays out, cuts, trims, fits, seams and installs resilient wall covering products, recreational flooring, sundeck flooring, safety flooring, custom flooring and other specialty floorcovering materials.

Trend: Specialty product installations periodically change as floorcovering manufacturers introduce new types of materials, styles and uses.

Sub-tasks	Enabling Objectives	Tools & Equipment
27.01 Readies surfaces for installation of specialty flooring materials.	knowledge of basic subfloor requirements ability to clear areas if and when required including removing furniture, existing wallbase, doors and other obstacles ability to correctly prepare subfloors including removal of contaminates, sanding, grinding, patching, levelling, installing wood or mastic	

Sub-tasks		Enabling Objectives						Tools & Equipment			
underlayments and checking for moisture											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

27.02 Ensures satisfactory job site conditions.

knowledge of temperature requirements prior to, during and after installation of specialty flooring materials

knowledge of light, power and heat requirements during installation of specialty flooring materials

ability to arrange for areas to be free of traffic, other workers, stock being placed or any other interference during installation of specialty flooring materials

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

27.03 Measures areas and calculates quantities of specialty flooring materials and accessories required.

knowledge of methods to correctly measure areas to receive plain coloured and patterned specialty flooring materials

knowledge of methods to check squareness of area, applying recommended techniques

ability to make simple drawings or comprehensive

Sub-tasks	Enabling Objectives	Tools & Equipment
	layout sketches and cutting plans ability to correctly layout area for specialty flooring material installation with consideration to direction of seams; location of length and cross seams; placement of fills; proper allowances for end and side fittings; proper allowances for pattern matching; use of least number of seams and amount of materials; ease of installation and best appearance of installation ability to develop accurate layout plan, showing length, width seams and fills required ability to mathematically calculate material requirements ability to cross-check area requirements with material delivered ability to calculate specialty flooring materials requirements, in both Imperial and the Metric system ability to estimate specialty flooring material accessory products	
	<u>NF</u> <u>NS</u> <u>PE</u> <u>NB</u> <u>PQ</u> <u>ON</u> <u>MA</u> <u>SK</u> <u>AB</u> <u>BC</u> <u>NT</u> <u>YK</u> ND ND yes ND yes yes yes yes yes yes NR ND	
27.04 Consults specialty product adhesive	knowledge of all basic types of adhesives used in	Workers' Compensation

Sub-tasks	Enabling Objectives	Tools & Equipment
specifications for types recommended, such as, latex dispersion adhesives, latex-resin adhesives, acrylic dispersion adhesives, alcohol-resin base adhesives, linoleum adhesives, polyurethane two component adhesives, epoxy adhesives, contact adhesives, special adhesives, primers and sealers.	industry for specialty flooring materials ability to describe associated product data information for adhesives used for specialty flooring materials installation including basic composition of adhesive; carrier (i.e. water, solvent, etc.); flammability factor; freezeability factor; general working characteristics and clean-up of spilled adhesives knowledge of adhesive manufacturers' recommended use and application for installation of specialty products knowledge of basic subfloor requirements for application of adhesives and specialty flooring materials including knowledge of subfloor types and surface finish requirements; subfloor grade level and types being suitable for adhesive and floor tiles; moisture testing and interpretation procedures; correct temperature of area and subfloor before, during and after installation of adhesive and specialty flooring materials knowledge of all applicable safety precautions when working with adhesives including all safety precautions when working with flammable adhesives; use of protective equipment when working with adhesives containing irritating	Board Industrial Health and Safety Regulations, face mask, floor fan, ventilator

Sub-tasks		Enabling Objectives	Tools & Equipment								
		and/or toxic ingredients and ensuring that areas where adhesives are used are well ventilated									
		knowledge of important handling procedures prior to using adhesives including mixing instructions; checking bond or holding strength of adhesive; traffic restrictions during cure period of adhesive and checking expiry date of adhesive									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND
27.05	Prepares for covering walls with designated resilient wall covering materials.	knowledge of wall covering manufacturers' preparation and installation recommendations knowledge of types and recommended uses of resilient wall covering materials, adhesives and accessory products ability to correctly prepare plaster/drywall surfaces, concrete including block walls, wood sheathing and other wall surfaces	preparation and patching tools								
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	no	yes	yes	yes	NR	ND
27.06	Measures walls and calculates	ability to correctly measure, layout and	measuring tape, pen and paper								

Sub-tasks	Enabling Objectives	Tools & Equipment
quantities of wall covering materials required.	estimate wall areas for various types of resilient wall covering installations including floor to ceiling installations, dado and other installations	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
27.07	Installs vinyl, rubber, or other types of wall covering materials to walls and other vertical surfaces.	knowledge of methods and techniques to correctly install all types of resilient wall covering materials to walls and other designated areas ability to correctly prepare resilient wall covering materials for wall installations ability to establish layout lines and correctly apply adhesive to walls ability to correctly apply resilient wall covering materials to walls or other vertical surfaces ensuring straightness and squareness when applied; achieving tight seams and perfectly matched patterns or designs and providing for good bond over entire area
straight edge, square, level, chalk line, knives, scribe, adhesive applicator, seam and wall roller		
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
27.08	Trims, fits and finishes resilient	ability to correctly trim and fit resilient wall
		knives, wall trimmer

Sub-tasks		Enabling Objectives				Tools & Equipment					
wall covering installation.		covering materials to abutments and open ends									
		ability to correctly finish the installation of resilient wall covering materials, including cleaning seams, if required; checking for bubbles or loose ends; sealing/welding seams; removing cuttings, scraps, etc. and finalizing installation									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	no	yes	yes	yes	NR	ND
27.09 Readies subfloors for installation of specialty indoor-outdoor flooring including recreational flooring, sundeck flooring, safety flooring and other specialty indoor-outdoor flooring.		knowledge of types and recommended uses of specialty floor covering materials, adhesives and accessory products									
		knowledge of basic installation and/or application requirements including locations and area placements of flooring; subfloor surface finish requirements; manufacturers' installation recommendation; recommended adhesives and accessory products									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND
27.10 Installs specialty indoor-outdoor floor covering materials.		ability to correctly apply manufacturers' recommended installation methods and procedures for products				installation manual					

Sub-tasksEnabling ObjectivesTools & Equipment

requiring full adhesive
spread installation system
using conventional
adhesives; full adhesive
spread installation system
using conventional
adhesives and special
adhesives under seams only;
perimeter adhesive
installation system and
loose-lay installation
system

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

27.11 Applies special
handling and
installation
procedures for
different types of
specialty flooring
materials.

ability to match patterns
or colour by reverse or do
not reverse system

installation
manual and
specification

ability to apply special
cutting and trimming
techniques

ability to comply with all
basic recommendations
pertaining to correct
handling of specialty
flooring materials during
installation; contraction
or expansion
characteristics of
specialty flooring
materials before and during
installation; distortions
within rolls and pattern
run-outs

knowledge of special
subfloor considerations
affecting a number of
specialty flooring
materials, such as,
staining from paints and
other contaminates

Sub-tasks		Enabling Objectives								Tools & Equipment			
		knowledge of using only recommended adhesives for types of specialty flooring materials											
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND		
27.12	Seams specialty flooring material.	ability to correctly cut and finish seams as specified by manufacturer of flooring material with consideration to applying special pattern matching procedures; cutting seams tight, net or loose, depending on types of specialty flooring materials and seam finish specified and finishing seams by sealing seam, coating, or heat welding								installation manual, straight edge, knives, seam scribe, seam roller, seam sealer or heat seam welding equipment			
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND		
27.13	Fits and finishes variety of different types of specialty flooring materials.	ability to apply all standard fitting techniques including straight scribing, pattern scribing, free-hand fitting and strip measuring								knives, scribes, measuring tape, marking pen, caulking gun, caulk/sealer			
		ability to finalize specialty floorcovering installation including rolling entire flooring installation until flat; checking for bubbles, loose ends or sides; installing protective edgings at open ends; applying sealer or caulking compound at abutments, open ends or sides of flooring											

Sub-tasks	Enabling Objectives	Tools & Equipment
27.15 Develops custom made hand cut insets in sheet goods.	knowledge of types and correct uses of custom inset tools and equipment knowledge of various methods for designing and/or developing insets including actual design transfer by gridline enlargement; actual design transfer by optical projection; actual design transfer from carbon back design paper to flooring; actual design transfer from pre-cut templates on to flooring and designing or using combination of measuring and free-hand drawing to produce image directly onto sheet goods or to working template	tool manual, installation manual, square, marking pen, template felt, overhead projector, carbon designs pre-made templates, measuring tape, divider

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

27.16 Installs custom made insets.	knowledge of actual installation and/or application recommendations for custom made insets including correct development of images on rigid templates; correct cutting of image design from a template onto selected pieces of sheet goods; fastening and scoring of inset design outlines onto selected area of sheet goods; cutting inset outlines, removing cut-out, applying adhesive and inserting inset into opening; rolling and cleaning inset and surrounding area and	installation manual, measuring tape, square, template, marking pen, knives, square, double face tape, awl, inset knife, adhesive applicator, adhesive, hand roller, cleaning cloth, mineral spirit, seam sealer or seam welding tools and thread
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Sub-tasks		Enabling Objectives						Tools & Equipment			
		sealing seam or welding joints									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Task 28 Prepares subfloors, measures, lays out, cuts, trims, applies adhesive, seams, fits and installs conductive sheet goods.

Trend: On a definite increase, as more localities, such as, hospital operating rooms, areas containing electronic equipment and computers require an electrostatic free environment.

Sub-tasks		Enabling Objectives		Tools & Equipment							
28.01	Prepares subfloors.	knowledge of basic subfloor requirements		manufacturers' specifications							
		ability to clear areas, if and when required including removing furniture, existing wallbase, doors and other obstacles									
		ability to correctly prepare subfloors including removing of contaminates, sanding, grinding, patching, levelling, installing wood or mastic underlayments and checking for moisture									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	no	yes	yes	yes	NR	ND

28.02 Ensures satisfactory job site conditions. knowledge of temperature requirements prior to, during and after

Sub-tasks	Enabling Objectives	Tools & Equipment
	installation of conductive flooring	
	knowledge of light, power and heat requirements during installation of conductive flooring	
	ability to arrange for areas to be free of traffic, other workers, stock being placed or any other interference during installation of conductive flooring	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
	<u>NB</u> ND	<u>PQ</u> yes
	<u>ON</u> yes	<u>MA</u> no
	<u>SK</u> yes	<u>AB</u> yes
	<u>BC</u> yes	<u>NT</u> NR
		<u>YK</u> ND

28.03 Measures areas and calculates quantities of conductive flooring and accessories required.

knowledge of methods to correctly measure areas to receive plain coloured and patterned conductive flooring

knowledge of methods to check squareness of areas applying recommended techniques

ability to make simple drawings or comprehensive layout sketches and cutting plans

ability to correctly layout area for conductive flooring installation with considerations to direction of seams; location of length and cross seams; placement of fills; proper allowances for end and side fitting; proper allowances for pattern matching; use of least number of seams and amount of materials;

Sub-tasksEnabling ObjectivesTools & Equipment

ease of installation and
best appearance of
installation

ability to develop an
accurate layout plan,
showing length, width,
seams and fills required

ability to mathematically
calculate material
requirements

ability to cross-check area
requirements with materials
delivered

ability to calculate
floorcovering requirements
both Imperial and Metric
system

ability to estimate
floorcovering accessory
products

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PO</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	no	yes	yes	yes	NR	ND

28.04 Consults conductive
floorcovering
manufacturers'
specifications for
types of conductive
flooring and
accessory products
available.

knowledge of types of
conductive flooring
available

manufacturers'
specification

knowledge of ohms
resistance values of
antistatic flooring
dissipative flooring and
conductive flooring

knowledge of conductive
accessory products
available including
conductive floor fillers or
levelling compounds,
conductive primers,
conductive adhesives and
copper grounding foil

Sub-tasks	Enabling Objectives	Tools & Equipment									
	knowledge of basic ohms resistivity values for conductive flooring specified for certain areas										
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
28.05	Prepares area for conductive flooring installation.	ability to check specification for grounding requirements in accordance with conductive flooring manufacturers' recommendations for concrete and other monolithic subfloors and wood subfloors ability to locate grounding positions within specified installation areas	specifications, blueprints								
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
28.06	Prepares for installation of conductive sheet goods.	knowledge of manufacturers' recommended installation procedures for conductive flooring ability to employ all basic installation recommendations in regards to correct handling and layout of conductive flooring ability to match patterns or colour shading by reverse or not reverse installation system	manufacturers' specification, manufacturers' installation recommendation								
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> ves	<u>NT</u> NR	<u>YK</u> ND

Sub-tasks		Enabling Objectives	Tools & Equipment								
28.07	Installs conductive sheet goods.	ability to install in strict accordance with manufacturers' specifications copper grounding strips, metal grounding plates, conductive primer, conductive adhesive and regular adhesive	shears, knife, flat trowel, adhesive applicator, scribes, floor roller								
		ability to tube or lap conductive sheet goods, apply adhesive to subfloors, observe adhesive open time and return flooring onto adhesive									
		ability to correctly fit conductive flooring to vertical surfaces									
		ability to correctly roll conductive flooring ensuring adequate bond was used throughout installation									
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
28.08	Seams conductive sheet goods.	ability to correctly prepare, cut and finish seams in conductive flooring in accordance with manufacturers' recommendations	knife, seam scribe, seam roller, cleaning cloth, mineral spirits, seam seal kit, heat welding equipment and accessories								
		ability to correctly finish seams in conductive flooring in accordance with manufacturers' recommendations by liquid seam sealing seams and joints and heat welding and finishing seams and joints									
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND

Sub-tasks	Enabling Objectives	Tools & Equipment
28.09 Finalizes conductive flooring installation.	ability to conduct final touch-ups and finishing tasks throughout installation and restrict traffic as per manufacturers' recommendations ability to connect conductive flooring and/or adhesive to the building's electric ground potential system knowledge of basic maintenance recommendations and restrictions in use of maintenance substances knowledge of conductive flooring testing procedures	maintenance recommendations, testing specifications
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
	<u>NB</u> ND	<u>PQ</u> yes
	<u>ON</u> yes	<u>MA</u> no
	<u>SK</u> yes	<u>AB</u> yes
	<u>BC</u> yes	<u>NT</u> NR
		<u>YK</u> ND

Task 29 Prepares areas, measures, lays out, trims, fits, applies adhesive and installs resilient stair covering materials, top-set base and various types or resilient accessory products.

Trend: No apparent changes indicated.

Sub-tasks	Enabling Objectives	Tools & Equipment
29.01 Consults manufacturers' specifications for types of stair covering products and accessories available including rubber/vinyl/metal stair treads; rubber/vinyl stair nosings; flat and coved riser	ability to describe various types of stair covering materials, top-set base and accessory products ability to describe associated product data including composition of products, thickness and sizes, and styles and colours	

Sub-tasks		Enabling Objectives	Tools & Equipment									
materials; stringer materials and top-set or butt-toe types of base.		knowledge of basic installation and/or application requirements including locations and area placements; subfloor or surface requirements; adhesive recommendations and actual installation or application recommendations										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
29.02	List stair components covered.	ability to describe stair components that are generally covered and correct order of installation with stringer material, riser material and treads/nosings										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
29.03	Installs stair stringer materials.	ability to layout, pre-cut, apply adhesive, scribe and free-hand fit stringer material to stair stringers	measuring tape, knife, scribe, adhesive applicator, hand roller									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
29.04	Installs stair riser materials.	ability to measure, pre-cut, scribe, fit, apply	measuring tape, scribe, knife, adhesive									

Sub-tasks		Enabling Objectives								Tools & Equipment		
		adhesive and install riser material to stair risers								applicator, hand roller		
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
29.05	Installs stair nosing materials.		ability to measure, pre-cut, scribe, fit, apply adhesive and install stair nosings to stair steps								measuring tape, knife, scribe, adhesive applicator, brush, hand roller, rubber hammer	
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
29.06	Installs stair treads.		ability to measure, pre-cut, scribe to fit length and width wise, apply special adhesive at nose line and regular adhesive throughout and install stair treads to stair steps								measuring tape, knife, scribe, planer, adhesive applicator, rubber hammer, hand roller	
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
29.07	Installs special types of stair covering materials.		ability to measure, pre-cut, scribe to fit, apply adhesive and install combined types of riser and tread materials to stairs								measuring tape, knife, scribe, adhesive applicator, rubber hammer, hand roller	
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	

Sub-tasks		Enabling Objectives	Tools & Equipment									
29.08	Covers custom built stair steps.	ability to correctly cover with stair materials 90° turn steps, free hanging steps and bull nosed steps	measuring tape, knife, scribe, adhesive applicator, rubber hammer, hand roller									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
29.09	Finalizes stair installations.	ability to conduct final touch-ups and finishing tasks on stair installation and restrict traffic as per manufacturers' recommendations										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
29.10	Lists types of base installed top-set types, toe-less types, butt-toe types and vent-cove types.	ability to describe types of base normally used on commercial or residential installations										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>	
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND	
29.11	Installs all types of base.	ability to fit base to inside corners using direct scribing technique and free-hand fitting technique ability to fit base to outside corners using wrapping technique, mitring	knife, scribe, marking pen, adhesive applicator, hand roller, cleaning cloth, outside corner scribe, sharpening stone									

Sub-tasks		Enabling Objectives				Tools & Equipment					
		technique and factory made corners									
		ability to fit base to straight, curved or recessed walls									
		ability to correctly apply adhesive to walls or other vertical surfaces, roll base and clean surface of base as installation progresses									
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
29.12	Installs protective edgings in conjunction with floorcovering installations.	ability to correctly measure, cut, fit and install top metals, reducer strips, binder bars, snap-on metals, under slung metals or vinyl types, T-metals and other types				measuring tape, marking pen, metal saw, knife, screwdriver, brush					
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
29.13	Prepares for covering counter tops or other raised platform type areas.	ability to describe floorcovering materials used to cover raised surfaces, such as, counter tops, display stands and other raised surfaces									
		ability to select correct type of adhesive and other accessory products required for installation of raised surfaces									
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND

Sub-tasks	Enabling Objectives	Tools & Equipment
29.14 Covers raised surfaces, such as, counter tops, platforms and display stands.	ability to lay out, measure, pre-cut, scribe, fit, apply adhesive and install material on flat deck type with moulding and/or self edge finish ability to lay out measure, pre-cut, scribe, fit, apply adhesive and install material to counter top with back splash and self edge finish ability to lay out, scribe, fit, apply adhesive and install material to counter tops or raised platforms with radius coved back splash and self-edging	measuring tape, knife, scriber, adhesive applicator, brush, hand roller, planer
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
	<u>NB</u> ND	<u>PQ</u> yes
	<u>ON</u> yes	<u>MA</u> no
	<u>SK</u> yes	<u>AB</u> yes
	<u>BC</u> yes	<u>NT</u> NR
		<u>YK</u> ND

Task 30 Installs pre-finished wood flooring.

Trend: On larger and more extensive projects this task will be performed by the specialized floorlayer.

Sub-tasks	Enabling Objectives	Tools & Equipment
30.01 Prepares subfloors for installation of pre-finished wood flooring.	knowledge of basic subfloor requirements ability to clear areas, if and when required, including removing furniture, existing wallbase, doors and other obstacles ability to correctly prepare subfloor including removal of contaminants, sanding, grinding.	broom, scraper sanding/grinding

Sub-tasks	Enabling Objectives	Tools & Equipment
	patching, levelling, installing wood or mastic underlayments and checking for moisture	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes
<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
30.02 Ensures satisfactory job site conditions.	knowledge of temperature requirements prior to, during and after installation of pre-finished wood flooring knowledge of light, power and heat requirements during installation of pre-finished wood flooring ability to arrange for areas to be free of traffic, other workers, stock being placed or any other interference during installation	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes
<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
30.03 Consults wood flooring manufacturers' specification for installation of pre-finished wood flooring.	knowledge of correct installation recommendations for parquet flooring, strip flooring, plank flooring and other pre-finished wood flooring knowledge of correct type of adhesive recommended for each class of pre-finished wood flooring	installation specifications
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes
<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND

Sub-tasks		Enabling Objectives										Tools & Equipment			
30.04	Prepares for installation of pre-finished wood flooring.	knowledge of basic requirements for acceptable subfloor in accordance with manufacturers' recommendations										installation specifications, measuring tape, chalk line, marking pen			
		ability to measure and lay out areas including establishing squareness of areas and establishing reference marks in accordance with size of fills or border width specified at end and side walls													
		<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
		ND	ND	yes	ND	no	yes	no	yes	yes	yes	NR	ND		
30.05	Establishes direction of wood flooring lay.	knowledge of directional characteristics of pre-finished wood flooring and how it influences appearance and method of installation													
		<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
		ND	ND	yes	ND	no	yes	no	yes	yes	yes	NR	ND		
30.06	Ensures correct material deliveries.	ability to check colour match of pre-finished wood flooring										adhesive applicator			
		ability to select correct adhesive for each class of pre-finished wood flooring and accessories													
		<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>		
		ND	ND	yes	ND	no	yes	no	yes	yes	yes	NR	ND		

Sub-tasks	Enabling Objectives	Tools & Equipment									
30.07 Measures and lays out areas for pre-finished wood flooring.	ability to measure, layout, strike parallel and perpendicular chalk lines in combined room and hallway areas; areas having alcoves, walls not parallel or irregular shape; areas requiring layout around fixed objects; circular or half circular areas and those other areas requiring inserts within pre-finished wood flooring	measuring tape, chalk line, marking pen, square, straight edge									
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes	<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
30.08 Installs pre-finished wood flooring by direct applications and floating systems.	ability to apply adhesive over entire area leaving layout reference marks visible	adhesive applicator, chalk line, hammer, wood chisel, divider, pencil, jig saw, hand and power saw, template, paper									
	ability to snap parallel and perpendicular layout lines through reference points										
	ability to install first rows of pre-finished wood flooring along chalk line										
	ability to complete field area with pre-finished wood flooring										
	ability to scribe and fit pre-finished wood flooring to straight and irregular surfaces										
	ability to trim and place pre-finished wood flooring to fit straight and irregular surfaces										
	ability to fit pre-finished wood flooring with use of template or scribing tool										

Sub-tasks	Enabling Objectives					Tools & Equipment					
	ability to correctly install moulding or base, remove cuttings, clean floor and make final adjustments										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	no	yes	no	yes	yes	yes	NR	ND

BLOCK I SERVICE WORK

Task 31 Performs service work on commercial and residential carpet installations, replaces damaged or worn out carpets, corrects or adjusts carpet installation discrepancies and repairs or replaces all types of carpets damaged through accidents or otherwise.

Trend: No apparent changes indicated.

Sub-tasks	Enabling Objectives					Tools & Equipment					
31.01 Performs service work.	ability to conduct service work and evaluate complaints, such as, carpet shading, shedding, sprouting, pilling, bearding, bleeding; mildew damage, moth damage, discolouration, stains and delamination of secondary backing, bowing, pattern mismatch and others										
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Sub-tasks	Enabling Objectives	Tools & Equipment									
31.02 Interprets and evaluates most common carpet complaints.	ability to conduct carpet installation inspections and evaluations of most common carpet complaints including telegraphing of subfloor imperfections; moisture related problems; improper carpet layout; tackless strip and door metal failures; seam failures, shading; faulty underlay installations; poor fitting and tucking of carpet; carpet buckling and other complaints										
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
31.03 Repairs or adjusts carpet defects.	ability to correctly repair large and small holes in carpets ability to reapply delaminated secondary backings of carpets ability to correctly repair open, peaked or rough seams ability to correctly repair cigarette burns ability to correctly retuft pulled out tufts, bare spots, burns, moth damage and other damage ability to correctly restretch and refit loose and/or buckled carpets ability to correctly adjust or repair carpet installation discrepancies	knife, shears, circle cutter, straight edge, square, sewing accessories, seam roller, knee kicker, burling kit, awl, napping, shears, nails, hammer, stair tool, adhesive applicator, glue gun									

Sub-tasksEnabling ObjectivesTools & Equipment

ability to correctly repair
or shift worn carpet on
stairs

ability to correctly reglue
loose ends, sides or seams
in glue-down carpets

ability to correctly repair
or replace missing tufts
(loops) along seams in
glue-down carpets

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Task 32 Performs service work on commercial and residential resilient floorcovering installations, replaces damaged or worn out resilient flooring, corrects or adjusts resilient flooring installation discrepancies and repairs or replaces all types of resilient flooring damaged through accidents or otherwise.

Trend: No apparent changes indicated.

Sub-tasksEnabling ObjectivesTools & Equipment

32.01 Performs service work.

ability to conduct service work and evaluate complaints, such as, moisture and/or alkali damage, surface stains, direct sunlight damage; heel or indentation problems, radiant heated floor damage; tile curl, seam peaking and new floor odour, poor or incorrect maintenance

<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

Sub-tasks	Enabling Objectives	Tools & Equipment
32.02 Interprets and evaluates most common resilient flooring complaints.	ability to conduct resilient flooring inspections and evaluations of most common flooring complaints including telegraphing of subfloor imperfections; telegraphing of adhesive trowel marks; incorrect layout of sheet goods and tile flooring; seam failures, shading; poor fitting, loose ends or sides, buckling, bubbles; poor bond, gas bubbles, wrong adhesive used; shrinkage, expansion and other complaints	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
32.03 Repairs or adjusts resilient flooring defects.	ability to correctly repair miscut or open seams, peaked and loose seams in sheet goods ability to correctly repair miscut, tears, breaks and other similar problems in sheet goods ability to correctly repair cigarette damage or burns ability to correctly repair small and large holes ability to correctly repair loose ends and sides, bubbles and other loose areas ability to correctly re-cement loose flooring ability to correctly repair or adjust tile shrinkage	straight edge, square, knives, floor scraper, hammer, seam roller, circle cutter, adhesive applicator, sand bags, heat gun

Sub-tasks	Enabling Objectives	Tools & Equipment
	poor fitting, curl, buckling and other discrepancies	
	ability to correctly repair loose top set base, loose or damaged stair nosings or treads and all types of other floorcovering installation or material discrepancies	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
	<u>NB</u> ND	<u>PQ</u> yes
	<u>ON</u> yes	<u>MA</u> yes
	<u>SK</u> yes	<u>AB</u> yes
	<u>BC</u> yes	<u>NT</u> NR
		<u>YK</u> ND

BLOCK J JOB PLANNING, PREPARATION AND SCHEDULING

Task 33 Studies and interprets drawings, specifications and related information.

Trend: On larger projects, this task may be the responsibility of specialists, management or owner.

Sub-tasks	Enabling Objectives	Tools & Equipment
33.01 Identifies drawings and specifications to ensure they are for job assigned.	knowledge of drawings, specifications and their relationship ability to read and to identify basic types of drawings, relationship of each and how each section is used	architectural drawings and specifications

Sub-tasks		Enabling Objectives					Tools & Equipment				
		ability to orient plans with specifications and related information									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND
33.02	Interprets abbreviations, symbols, reference points on architectural, structural, electrical and mechanical drawings for compliance with specifications.			knowledge of architectural and engineering symbols				architectural drawings			
		(NOT COMMON CORE)									
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	no	yes	no	no	yes	yes	NR	ND
33.03	Checks dimensions on drawings and ensures integrity of scaled measurements.			ability to make accurate calculations in the Metric and Imperial measurement systems				scale ruler			
				knowledge of scale drawings							
<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
ND	ND	yes	ND	yes	yes	no	yes	yes	yes	NR	ND
33.04	Compares all sections of specifications to determine responsibility for related materials,			ability to interpret specifications and organize materials, accessory products and labour to complete job							

Sub-tasks		Enabling Objectives										Tools & Equipment	
application or installation requirements.		<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes	<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
33.05	Makes sketches, if required, for own or co-workers use away from drawings.	ability to make simple or comprehensive drawings or sketches										paper, pencil, ruler	
		<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
33.06	Assigns tasks to co-workers.	ability to establish and maintain effective working relations with superiors, co-workers and associates											
		<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
33.07	Consults with management, technical experts and/or manufacturers' representatives.	ability to communicate effectively											
		<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
33.08	Lists and forwards in writing to	ability to identify potential problems with											

Sub-tasks	Enabling Objectives	Tools & Equipment
proper authority any discrepancies, mistakes, errors or interferences encountered on the job site.	specifications, drawings or job site conditions and take necessary steps to have them reported or corrected	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
<u>MA</u> yes	<u>SK</u> no	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND

Task 34 Interprets drawings and specifications, studies the extent and type of work involved and evaluates the job site and working conditions.

Trend: On large projects this task may be the responsibility of specialists, management or owners.

Sub-tasks	Enabling Objectives	Tools & Equipment
34.01 Consults drawings, construction superintendents, owner or visually examines project site to determine exact extent of work involved.	knowledge of building construction from small to large projects	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes
<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
34.02 Examines areas, measures and makes sketches and notes as required, to define total work to be performed.	knowledge of sketching and drawing techniques ability to make sketches and scale drawings and take legible notes to define work	paper, pencil, ruler
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes
<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND

Sub-tasks	Enabling Objectives	Tools & Equipment
34.03 Consults specifications to determine type of work involved, special conditions requiring extra time for subfloor preparation work, moving of objects, cleaning etc., that affect job costs.	knowledge of job conditions that affect extra work knowledge of job conditions that affect extra patching or other materials	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes
<u>MA</u> no	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
34.04 Consults specifications and work order to determine job requirements, such as, heating systems in use, moisture tests performed, power requirements in place and others.	knowledge of job and working conditions that affect job costs knowledge of job and working conditions that will affect material and accessory product performances	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes
<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
34.05 Arranges for storage of materials and accessories, tools and equipment on job sites.	knowledge of need for safe and secure storage of materials, accessories, tools and equipment ability to secure suitable cutting area for material distribution	
<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes
<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes
<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes
<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND

Task 35 Interprets drawings and specifications and determines the types and amounts of materials, accessories and tools required, orders and schedules material deliveries.

Trend: Many flooring firms utilize computers and estimating programs to assist in this work. On large projects, this work may be the responsibility of specialists, management or owners.

Sub-tasks		Enabling Objectives					Tools & Equipment					
35.01	Consults drawings, building superintendents, owners, specifications and work order to determine material requirements.	knowledge of drawings and specifications ability to identify different types of material symbols and interpret work orders and material invoices										
	<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
35.02	Prepares list of all materials and accessories required on job site.	ability to record and categorize materials and accessories correctly										
	<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
35.03	Prepares list of all tools and equipment required to install materials.	knowledge of tools, equipment and installation methods										
	<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND

Sub-tasks		Enabling Objectives	Tools & Equipment											
35.04	Measures and calculates total material requirements and enters different types under specific headings.	ability to identify and categorize different types of materials and accessory products required on job site	<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> yes	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
35.05	Calculates total amount of material and accessories required to complete project.	ability to record and categorize materials and accessory products and correctly combine amounts to arrive at total required	<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
35.06	Schedules materials to job requirements.	knowledge of job site production schedules and work progress reports	<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> yes	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND
35.07	Orders material to suit schedule.	knowledge of planning, organizing and order desk procedures	<u>NF</u> ND	<u>NS</u> ND	<u>PE</u> yes	<u>NB</u> ND	<u>PQ</u> no	<u>ON</u> yes	<u>MA</u> yes	<u>SK</u> no	<u>AB</u> yes	<u>BC</u> yes	<u>NT</u> NR	<u>YK</u> ND

Sub-tasks		Enabling Objectives								Tools & Equipment			
35.08	Prepares schedule of total material and labour requirements to suit and complete project.	ability to plan, organize and forecast needs of project											
		<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
		ND	ND	yes	ND	no	yes	yes	yes	yes	yes	NR	ND
35.09	Specifically notes safety requirements on job site and for co-workers.	knowledge of safety regulations and compensation, material safety data information											
		<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
		ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND
35.10	Consults with management, co-workers or manufacturer/distributor representatives, if required.	ability to establish and maintain effective working relations with management, co-workers and associated representatives											
		<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
		ND	ND	yes	ND	yes	yes	yes	yes	yes	yes	NR	ND

APPENDICES



TOOLS AND EQUIPMENT

I. CARPET INSTALLATION

A. Basic hand tools

awl
chalk line
chisels
claw hammer
drilling tool
dust brush
extension cord and
light

file brush
files - flat
files - triangular
hack saw
measuring tape
metal mitre box
metal punches

nail sets
pliers
screwdrivers
sharpening stone
tin snips
tool case
utility knife
wrenches

B. Special hand tools

anchorite tool
carpet base cutter
carpet comb
carpet seam roller
carpet shears
carpet spreader
carpet tucker
cookie cutter
cove base toe trimmer
cushion-back cutter
cushion-back repair tool
cushion-back trimmer
door pin tool
driving bar
floor scraper
floor stripper
hammer stapler
knee kicker
latex squeeze bottle
loop pile cutter
moulding lifter
napping shears

needles
pad knife
parallel cutter
porcupine roller
razor knife
rubber mallet
seam seal kit
seam squeezer
square
stair tool
staple lifter
straight edge
strip cutter
tack hammer
trowels
tufting kit
turning tool
tweezers
underlayment stapler
various knives
wall trimmer - conventional
installation

C. Power tools and equipment

adhesive spray machine
binding machine and stapler
carpet roller
dollies and hand trucks
drum sander
edger
electric carpet saw
electric glue-gun
electric tackler
jamb saw

masonry drill
power line stapler
power nailer - compressor type
power stretcher
seam repair
seaming iron
stapler
stretcher
stripper machine
vacuum cleaner

II. RESILIENT FLOORING INSTALLATION TOOLS

A. Basic hand tools

adjustable wrenches
assorted screwdrivers
awl - pin vise
block plane
chalk line
chisels - wood and steel
claw hammer
dust brush - broom
extension cord and light
file - brush
files - flat
files - triangular
floor scraper
level
measuring tape

metal mitre box
metal punches
moulding lifter
nail set
pencils
pliers
propane torch or electric heat gun
putty knives/38 mm and 76 mm - S.I.
saw - metal and wood
sharpening stone
steelwood and sandpaper
tine snips
tool case
trowel (plastering)
utility knife

B. Special hand tools

.60 metre steel square
2 metre straight edge
bar scribe
corner scribe
cove base toe trimmer
cove base gouging tool
divider
door pin tool
feature strip cutter
gun stapler

hand roller
seam roller
seam seal kit
spreaders or notched steel trowels
tile cutter
under or recess scribes
universal scribe
various knives
wall roller
wall trimmer

C. Power tools and equipment

base gun
buffers
dollies and hand trucks
drum sander
edger
electric drill
heat gun
large propane torch
linoleum roller

portable electric circular saw
power floor stripper
power nailer
power stapler
PVC floor welding system
sabre saw
seam master
vacuum cleaner

GLOSSARY

Part I - Glossary of Carpet Terms

The following list of definitions and technical terms has been compiled from accepted trade standards.

abraded yarns	continuous filament yarns in which filaments have been cut or abraded at intervals and given additional twist to produce a certain degree of hairiness, so as to simulate the character of yarns spun from staple. Abraded yarns are usually plied or twisted with other yarns before using.
acrylic fibre	a synthetic fibre used in carpet manufacturing.
anti-static yarn	the ability of a carpet or an agent to disperse electrostatic charges and reduce the build-up of static electricity.
autoclave	an apparatus for carrying out certain finishing operations, such as heat setting yarn under pressure in a super heated steam atmosphere.
Axminster carpet	a type of woven carpet construction.
backing	material that forms the back of the carpet, regardless of type of construction 1. primary back - in tufted carpets the material to which surface yarns are attached. Made of jute, kraftcord, cotton, woven or non-woven synthetics. 2. secondary back - also called double backing. Any material (jute, polypropylene woven or non-woven synthetic scrim, foam or cushion) laminated to the primary back.
bearding	long fibre fuzz or loops caused by fibre snagging or inadequate anchorage.
binder bar	to finish carpet edging.

binding	a strip (usually cloth) sewn over the edge of a piece of carpet for protection from wear and unravelling.
bleeding	transfer of fibre dyes causing staining of adjacent floorcovering.
blend	a fabric containing a mixture of two or more fibres or yarns or a combination of two or more fibres spun into yarns.
body	the compact, solid, firm, or full feel of a fabric. (<u>see also</u> hand)
bonded rubber cushion	comes in two different forms: (1) as cushion prepared in strips prior to its application to the carpet back; (2) as cushion manufactured and cured in place in seamless widths. rubber cushion is usually either sponge rubber or latex foam, and its quality is generally estimated by its density.
broadloom	any carpet manufactured wider than 0.686 m (27") or 0.914 m (36"). Simply a designation of width and not a type of weave or carpet.
brocade	a carpet construction producing a raised pattern and formed by using heavy twisted yarn tufts on a background of straight fibers.
buckling	the same as wrinkles, or other deviations from lying flat.
bulking	also called texturizing or lofting, it is the process of fluffing yarn to give it more coverage with the same weight.
bulk dyeing	dyeing prior to yarn being spun into yarn form.
burling	the process of replacing missing tufts by hand or correcting loose tufts.
carpet	the general term for a fabric or soft floorcovering fastened to the entire floor from wall to wall.
carpet gripper (tackless strip)	used under carpet along walls, to provide a smooth tight finish.

carved	sculptured design made by hand-directed clipping of the wool pile. The engraved appearance of some fabrics is achieved through manipulation of weave and colour.
cationic dyed	specific dyestuff (usually the third colour in cross dyeing).
construction	the term applies to the method by which a carpet is manufactured.
continuous dyeing	<u>see</u> dyeing
continuous filament	synthetic fibre in a continuous strand not requiring spinning as natural fibres do.
count	a number identifying yarn size, or weight per unit of length (or length per unit of weight) depending on the spinning systems used (such as denier, woollen, worsted, cotton, or jute system).
crimping	method of texturizing staple and continuous filament yarn to produce irregular alignment of fibres and increase bulk and covering power; also facilitates interlocking of fibres, which is necessary for spinning staple fibres into yarn.
cross dyeing	<u>see</u> dyeing
cross seams	the joining together of the ends of two pieces of carpet into a continuous length of carpet.
cushion-back carpet	a carpet having a cushion or padding as an integral part of its backing.
cut pile	carpet pile that has cut ends as the face.
delustered	subduing or dulling the natural luster by chemical or physical means.
denier	unit of weight by which fineness of silk, rayon or nylon yarn is estimated. The weight in grams of 9,000 meters or yarn equals the number of deniers.
density	the amount of pile in a given area of carpet reflective of the closeness of the pile yarns and expressed as kilotex per cm ² which reflects the percent of surface covered with fibres.
dimensional stability	the ability of a fabric to retain its original dimensions.

drop match

a matching of carpet patterns where successive breadths of carpet must be adjusted up or down (usually one-half the pattern repeat) so the pattern will continue across the floor.

dye lot

amount of carpet that is all one shade.

dyeing

the process of colouring materials; impregnating fabric with dyestuff.

1. solution dyed: man-made fibre which is made from a coloured solution; the filament is thus impregnated with the pigment.
2. stock dyed: yarn dyed before being fabricated into carpet.
3. yarn (or skein) dyed: yarn dyed before being fabricated into carpet.
4. piece dyeing unfinished carpet: carpet is dyed "in one piece" after tufting or weaving, but before other finishing processes such as latexing or foaming.
5. cross dyeing: method of dyeing fabrics with dye-stuffs which have different affinities for different types of yarns.
6. space dyeing: process whereby different colours are "printed" along the length of yarn before it is manufactured into carpet.
7. continuous dyeing: the process of dyeing carpet or yarn in a continuous production line, rather than piece dyeing separate lots.
8. millitron dyeing: a method of computer injection dyeing. In this process, individual needle-nozzles are fed by precisely controlled computer programmed dye output.

electrostatic flocking

specially treated fibres charged by electrostatic field. Charged fibres move vertically, at a high speed, and are embedded firmly in the adhesive. Process used for majority of flocked commercial carpets.

electrical seaming

a seaming method that uses an electric current to activate a thermoplastic adhesive coated on a specialized seaming tape.

embossed	carpet designs which actually stand out from the background, as if engraved.
face yarn	tufts of yarn that stand erect from the base of carpet and from the weaving surface. <u>see also</u> pile and nap
filament	a single strand of any type of fibre, natural or synthetic.
filling yarn	yarns, usually of cotton, jute or kraftcord, running across a woven fabric and used with chain yarns to bind pile tufts to the backing yarns.
flocking	a method of manufacturing carpet.
fluffing	appearance on carpet surface of loose fibre fragments left during manufacture; not a defect, but a characteristic which disappears after use and vacuuming.
foam	used as secondary backing on some tufted carpets.
frieze	a tightly twisted yarn that gives a rough appearance to the pile.
fusion bonded carpet	a method of manufacturing carpet.
gauge	measure of the distance between rows of a tufted carpet.
grinning	describes the condition of the carpet's primary backing showing between the pile tufts.
ground colour	a term used to designate colour used for the background in patterned carpet.
hand	a commonly used term to describe how the quality of a particular carpet feels when held in one's hand.
heat set	a process whereby yarn is stabilized against changes in size or shape using superheated steamed pressure.
high density foam	a rubber product applied as liquid foam, then cured, to form part of the carpet back.
high-low	refers to carpet surface with more than one pile height.

hot melt bonded carpet	a fabric in which a thermoplastic adhesive is applied with heat to bond the secondary back to the primary back of the carpet.
hot melt seaming	a carpet seaming method.
indoor/outdoor	type of carpet, regardless of construction, which is made entirely of components (surface yarns, backing, adhesives, or laminating materials) which have been especially designed or treated to withstand moisture, extreme temperatures, ultra-violet rays and other types of exposure.
jacquard	mechanism which controls the pattern of Wilton and Gripper Axminster looms.
jaspe	the combination of irregular stripes of two hues or shades of the same colour to produce a particular effect on pile yarn.
jute	a natural plant material that is shredded and spun into yarn which is used in backing yarn or backing fabric.
knitted carpet	a type of woven (knitted) carpet construction.
kraftcord	a natural plant fibre that is tightly twisted and used as backing yarn.
laminated	two or more layers of firmly united material.
latex	a compound, either natural or man-made, used to coat the back of carpet and to adhere carpet components to one another.
loft	or compressional resiliency refers to the ability of a fibre, yarn or fabric to spring back to its original thickness after being compressed.
loom	machine threaded with yarns on which carpet or other textiles are woven.
loop pile	looped yarns on the face of a carpet that have not been sheared or cut.
lustre	light reflected from a surface, it differs from shine in that it is more subdued.
millitron dyeing	<u>see</u> dyeing

modacrylic	polymer composed of less than 85% but at least 35% by weight of acrylonitrile units.
modular	a term used to describe carpet tile (manufactured to defined tolerances in length and width).
moulded rubber back	liquid rubber is coated on the carpet back, then rolled out with an embossed roller.
mono filament	a filament large and strong enough to be used directly as a yarn for making textiles through any established process.
moresque	single strands of different colours of yarn twisted, or plied together to form one multi-coloured yarn.
nap	the pile on the surface of a carpet or rug. <u>see also</u> pile and face yarn
needle punch carpet	a method of constructing a type of carpet.
noise reduction coefficient	arithmetical index of a material's noise reducing efficiency. On a scale of 0 - 1, with 1 equal to 100% absorption.
non-woven	a fabric made up of a web of fibres held together by a chemical or fibrous bonding agent.
nylon	a synthetic fibre used in carpet manufacturing.
olefins (polypropylene)	any long chain synthetic polymer composed of at least 85% by weight of ethylene, propylene or other olefin units.
package dyed	spun and wound yarn placed on large perforated forms and coloured by dye forced through the perforations.
padding or underlay	a separate material installed under carpet that serves as a cushion.
piece-dyeing	<u>see</u> dyeing
pile	the upright ends of yarn, whether cut or looped, that form the wearing surface of carpets or rugs. (<u>see also</u> nap and face yarn)
pile crush	bending of pile by constant walking or the pressure of furniture.

pile density	number of tufts both across (needles per 10 cm of gauge for tufted carpet) and lengthwise (stitches per 10 cm) of the carpet.
pile height	the height of pile measured from the surface of the back to the top of the pile, not including the thickness of the back.
pile weight	the weight of the pile yarns as expressed in grams per m ² .
pile yarn	the yarn used to form the loops or tufts of a pile fabric.
pilling	formation on the carpet surfaces of bunches or balls of tangled fibres which cannot be removed without breaking a fibre.
pitch	the number of warp threads or pile ends per 68.58 cm (27") width of carpet, which indicates the closeness of the weave. Used mainly in reference to woven carpets.
plied yarns	two or more strands, ends or plies either twisted or otherwise cohesively entwined, intermingled or entangled into a heavier yarn.
plush	a single-level, cut-pile surface.
ply	the number of strands of yarn twisted together to form a single yarn, as in "2-ply" or "3-ply".
polyester	a synthetic fibre used in carpet manufacturing.
polypropylene	a synthetic fibre used in carpet manufacturing.
polymer	in synthetics, the basic chemical unit from which fibres are made. It is made of large complex molecules formed by uniting molecules (monomers).
primary backing	a woven or nonwoven fabric into which pile yarns are tufted.
printing	the method in which a pattern is made on a carpet surface using dyestuffs.
quarter drop match	this type of pattern has four units in every length repeat. Each length repeat drops down one unit or the quarter of the repeat. This gives a diagonal effect to the pattern when all breadths are joined together.

random sheared	textured pattern created by shearing some of the top or higher loops and leaving others looped.
repeat	the distance from a point in a pattern figure to the same point where it occurs again, measuring lengthwise of the fabric.
resilience	the ability of a carpet fabric or padding to spring back to its original shape of thickness after being crushed or walked on.
rows/wires	rows of tufts counted lengthwise in every 10 cm of carpet. In Axminster carpets, these are called rows; in Wilton and velvet, wires.
rug	a carpet not fastened to the floor and usually not covering the entire floor.
saxony finish	dense cut-pile, usually made of plied and heat set yarns, so each tuft end has a distinguished appearance.
scrim-back	used in tufted carpet construction, it is a backing added to the regular jute or kraftcord back and made of light, coarse fabric.
sculptured	a type of multilevel surface pattern with a specific design.
secondary backing	a woven or nonwoven fabric attached to the back of carpets.
selvage	the edge of a carpet finished so it will not ravel or require binding or hemming.
serging	also known as oversewing, this is a method of finishing the cut edges of some carpets. It is customary to serge the side and bind the end.
set match	pattern repeats that are positioned or set side by side on the same level to form a straight line across the width of the fabric.
shading	an apparent change of colour in carpet pile caused as light is reflected in different ways when pile fibres are bent; not a defect, but a characteristic especially of cut pile fabrics, including upholstery and clothing.
shag	a deep-pile texture with long, cut surface yarns.

shedding	extra loose fibres in a new carpet on surface of pile.
shot	the number of weft yarns in relation to each row of pile tufts crosswise on the loom.
skein dyeing	<u>see</u> dyeing
soil retardant	agent applied to carpet pile yarns to resist soiling.
solution dyed	<u>see</u> dyeing
space dyed	<u>see</u> dyeing
spinning	twisting separate fibres mechanically so that they cling firmly together forming continuous thread.
sprouting	protrusion of individual tuft or yarn ends above the surface pile level of carpet.
staple	fibre which in its pre-processed state is in short length which must be spun or twisted together for form yarns, as opposed to continuous filament.
stitches	measurement of stitches down the length of a tufted carpet.
stock-dyed	<u>see</u> dyeing
synthetic fibre	man made fibre.
tak dyeing	process of dyeing over a continuous dyed fabric by controlling "sprinkle" technique.
tensile strength	breaking strain of yarns or fabrics. High tensile strength means strong yarns or fabrics.
texture	the surface effect manufactured in a carpet for added interest beyond its colours or design.
tip sheared	shearing of the upper level of a two or three level carpet to give it different appearance.
tone on tone	a carpet pattern made by using two or more shades of the same hue.
tuft bind	force required to pull a tuft from a cut-pile carpet or to pull free one leg of a loop from a looped pile carpet.

tufted carpet	a type of carpet construction.
tufts	the cut or uncut loops forming the face of tufted or woven carpet.
tweed	carpet and other textile materials consisting of two or more colours forming an overall harmony.
twist	direction and shape the yarns have been given to produce a particular texture effect.
two-tone	a pattern of two shades of the same colour.
underlay or padding	can be felt, or expanded rubber or synthetic underlay placed under the carpet.
vat dye	dyes formed in fabrics by oxidation and precipitation of the original dye liquor (indigo). Refers to kind of dye rather than method of dyeing. Raw stock, skein or solution dyeing can be performed with vat dyes.
velvet construction	a type of woven carpet construction.
velvet finish	surface of dense cut pile carpet usually produced on a tufting machine or velvet loom.
vinyl back	a type of synthetic carpet back, can be cushioned or solid.
viscose	manufactured fibre from wood pulp both in staple and filament yarn.
warp	in weaving, the threads that run lengthwise on a loom (chain and stuffer together from the wrap).
weaving	surface and backing yarns are interfaced, or woven together in one operation. Several types of looms are employed.
weft	in weaving, the threads that run crosswise from selvage to selvage and are woven in and out of the warp threads by means of shuttle or bobbin. They are now called filler threads.
Wilton carpet	a type of woven carpet construction.

wires	the number of rows of pile tufts per 10 cm (per inch) as measured along the length of a woven carpet. The higher the number, then the more stitches per cm and the closer the pile rows are to each other down to the length of the carpet.
worsted yarn	slender, hard, lustrous yarn, spun from the long, straight wool fibres combed so that they lie parallel to remove short fibres.
yarn	any fibre used to manufacture carpet, natural or synthetic.
yarn count	<u>see</u> count
yarn ply	the number of strands of single yarns twisted together to form one carpet yarn.

Part II - Glossary of Resilient Terms

The following list of definitions and technical terms has been compiled from accepted trade standards.

above grade subfloor	a subfloor with a minimum of 450 mm (18") of cross-ventilated air space beneath it.
adhesive	material used as a bonding agent.
alkaline salts	occur in concrete subfloors when water carries diluted alkaline salts to the surface slab. It can cause floor failure by destroying the adhesive's bond. It can work its way through sheet goods' seams and tile joints, causing curling or peaking.
ashlar	a term used to describe the layout of floor tiles or plywood panels in relation to every other row such as half-staggered or brick pattern design.
asphalt cut back	asphalt cut back adhesives are solutions of asphalt in hydrocarbon solvents.
asphalt - latex emulsion	a fast-setting water base adhesive, containing solutions of asphalt and latex (rubber).
base	a flat or shaped, extruded or moulded, vinyl or rubber material attached to vertical surfaces, such as walls, counter bases, etc.

below grade subfloor	a subfloor that is partially or completely below the surrounding ground level in direct contact either with the ground or with fill that is in direct contact with the ground.
capping	material used when flash coving tile and/or sheet goods as an edge finish.
conductive floorcovering	electrically conductive resilient floorcovering materials specially formulated to prevent the build up of static charges. This type of floorcovering has to conform to CGSB No. 81-GP-IM, or latest edition.
cork tile	cork granules of different sizes and densities thoroughly and uniformly bonded with resin binders. Made in sheet and tile form.
coving	also referred to as flash or self coving. Floorcovering materials installed over a cove backing up the wall to a specific height.
cross seam	a seam joining two ends of floorcoverings.
curing agents	used in concrete subfloors. Usually incompatible with floorcovering adhesives.
double cut	also called full-lapped. A method making a seam in sheet floorcovering.
drop match	refers to sheet goods where the pattern design matches at the mid-point of the design in the consecutive pattern or sheets.
edge trim	metal or resilient moulded or extruded shapes designed for installation at exposed edges of the resilient floorcovering to protect edges from damage.
edging	a finished protective edge material used as a stop for resilient floorcovering.
external corner	a resilient base for external corner application.
feathering	a procedure for tapering edges to achieve level installation across the width or length or an area.
feature strips	contrasting strips or shapes of floorcovering material used as borders or to delineate pattern for decorative or functional purpose (as in gymnasium or multi-purpose game situations).

field	the area of resilient floorcovering that is contained within the limits of the borders or walls.
fillet strip/cove backing	structural backing for flash coving.
foam backed sheet vinyl	vinyl (PVC) sheet goods, with an attached expanded cellular backing.
full spread installation	a procedure for installing sheet goods whereby the floorcovering is installed by using an approved adhesive wall to wall.
gauge	the specified thickness of a resilient floorcovering product.
grade	relationship of a subfloor to exterior ground levels.
heat sealing	a process of welding seams in certain types of vinyl sheet goods.
hydrostatic pressure	ground water forced under natural pressure through a concrete slab, causing, in most instances, total or partial floorcovering installation failures.
insert (also inset)	custom or standard shape in contrasting colour or pattern, set into the field of resilient floorcovering for special purposes or effects.
lining felt	a compressed felt paper occasionally used as an underlayment.
linoleum	a thoroughly blended composition of linseed oil, natural and synthetic resins, granulated cork, wood flour, mineral and chemical pigments calendered to a backing of jute canvas (hessian) or saturated rag felt.
loose-lay installation	a procedure for installing certain manufacturers' approved sheet goods whereby the floorcovering is installed without the use of a bonding agent.
match marks	indicators on certain types of resilient floorcovering to show pattern repeats, or directional graining.
mineral backed	inlaid vinyl, rotogravure vinyl or other types of floorcovering with a laminated moisture and alkali-resistant mineral backing.

mitre	a method where two pieces of floorcovering are joined together at an angle (usually 45 degrees).
modified loose-lay installation	a procedure for installing certain manufacturers' approved sheet goods whereby the floorcovering is fastened generally around the outer edges and the seams only.
nosing	a finished protective metal, vinyl, or rubber, formed edge material used for resilient stair tread covering.
on grade subfloor	a subfloor which is in direct contact with the ground or with less than 450 mm (18") of air space under it or a suspended subfloor in contact at some point with fill.
pattern matching	a procedure for ensuring correct alignment of patterned materials.
perimeter installation	a procedure for installing certain manufacturers' approved sheet goods whereby the floorcovering is installed by using a specific adhesive around the outer edges and the seams only (i.e. perimeter of the sheets).
reducer strips (protective edgings)	a material used to protect the exposed edges of floorcovering.
reinforced glassfibre	vinyl floorcovering containing an encapsulated fibreglass webbing for increased stability.
repeat	the distance between identical design elements in tile or sheet goods.
riser material	floorcovering materials used for finishing vertical surfaces between treads of stairs.
rolling	procedure for removing trapped air and setting floorcovering into the adhesive.
rotogravure vinyls	vinyl sheet goods which utilize a rotogravure process to impart the design.
runners	a continuous material used as a surface covering in traffic lanes and stairs leaving a margin on each side.
seam sealing	a procedure for sealing seams using a special applicator and sealants.

seam welding	a process of fusing certain seams in certain type of vinyl floorcovering.
selvage	material is excess of the width and/or pattern of sheet goods.
set match	a pattern design matching straight across the sheet from edge to edge.
stringer or skirting material	a continuous strip material used on the sides of stairs.
subfloor or substratum	the floor surface to which flooring materials are used to be applied.
suspended floor	a subfloor constructed over a minimum of 450 mm (18") of cross-ventilated air space.
tread material	floorcovering materials used for finishing stair treads.
underlayments	(a) approved composition board or plywood of at least 6 mm ($\frac{1}{4}$") thick, properly secured over wood-based subfloors. (b) approved trowel applied material used to level, smooth, skim coat or fill subfloor irregularities.
vinyl composition tile	a thoroughly blended composition of vinyl resins, plasticizers, inert fillers and pigments formed under pressure and heat into sheet form, then cut into tile size.
vinyl backed	PVC (polyvinyl chloride) floorcovering with laminated open or closed cell PVC foam backing.
vinyl homogeneous	a formation of vinyl and vinyl resins (PVC) pigments, fillers and binders; thoroughly blended and subjected to heat and pressure to form a completely homogeneous material.
wear layer or wear surface	the top portion of a floorcovering.

PERCENTAGE RATINGS

BLOCK A SAFETY AND SAFE WORK PRACTICES

- Task 1 Applies accident prevention principles, practices safe working techniques and may apply first aid to injured workers in event of accident.

BLOCK B CUSTOMER AND EMPLOYER RELATIONS

Z NF NS PE NB PQ ON MA SK AB BC NT YK
 ND ND 8 ND 1 6 1 3 1 5 NR ND

Nat.
Avg.

4Z

- Task 2 Applies good customer relations including personal appearance, personal hygiene, proper conduct on job site and regard for customer's property.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
 ND ND 100 ND 100 100 100 100 100 100 NR ND

Nat.
Avg.

100Z

BLOCK C SUBFLOOR PREPARATION

Z NF NS PE NB PQ ON MA SK AB BC NT YK
 ND ND 20 ND 10 10 7 5 26 20 NR ND

Nat.
Avg.

14Z

- Task 3 Inspects subfloors, evaluates existing job site conditions and determines required preparation procedures.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
 ND ND 7 ND 3 20 21 14 3 20 NR ND

Nat.
Avg.

13Z

- Task 4 Conducts or initiates moisture tests in accordance with trade requirements.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
 ND ND 2 ND 3 5 5 3 1 4 NR ND

Nat.
Avg.

3Z

Task 5 Removes debris, scrapes, cleans, removes
contaminates, patches, levels and skim coats all
types of masonry subfloors.

Nat.
Avg.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
ND ND 18 ND 41 20 27 23 24 5 NR ND

232

Task 6 Removes debris and contaminates, scrapes floors,
sands wood panel subfloors, patches, levels and skim
coats all types of wood subfloors.

Nat.
Avg.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
ND ND 33 ND 41 20 27 20 24 32 NR ND

282

Task 7 Installs underlayments over existing subfloors
including wood panels, mastic underlayments, self-
levelling mastics and lining felts.

Nat.
Avg.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
ND ND 20 ND 5 20 5 15 24 19 NR ND

152

Task 8 Prepares existing old or contaminated subfloors and
removes or prepares previously installed resilient
flooring or glue-down carpets.

Nat.
Avg.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
ND ND 20 ND 7 15 15 25 24 20 NR ND

182

BLOCK D

PRODUCT KNOWLEDGE

Nat.
Avg.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
ND ND 5 ND 10 9 14 2 2 7 NR ND

72

Task 9 Identifies, defines and interprets all types of
carpet construction, carpet fibres, textures, styles
and patterns.

Nat.
Avg.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
ND ND 30 ND 20 45 56 20 15 20 NR ND

302

Task 10 Identifies, defines and interprets all types of carpet accessory products.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
 ND ND 20 ND 20 11 22 18 5 20 NR ND

Nat.
Avg.

17Z

Task 11 Identifies, defines and interprets all types of resilient floor tiles and sheet goods.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
 ND ND 20 ND 20 22 11 18 25 20 NR ND

Nat.
Avg.

19Z

Task 12 Identifies, defines and interprets all types of resilient specialty floorcovering products.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
 ND ND 10 ND 20 11 0 22 30 20 NR ND

Nat.
Avg.

16Z

Task 13 Identifies, defines and interprets all types of resilient accessory products.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
 ND ND 20 ND 20 11 11 22 25 20 NR ND

Nat.
Avg.

18Z

BLOCK E

CARPET INSTALLATION

Z NF NS PE NB PQ ON MA SK AB BC NT YK
 ND ND 30 ND 29 25 59 38 23 22 NR ND

Nat.
Avg.

33Z

Task 14 Prepares areas, installs tackless strips, protective edgings and measures, cuts, fits and installs carpet undercushions for conventional carpet installations.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
 ND ND 10 ND 25 12 3 10 14 12 NR ND

Nat.
Avg.

12Z

Task 15 Measures, lays out, prepares, cuts, trims, seams, stretches, fits and installs all types of commercial and residential carpets, rugs and runners.

Nat.
Avg.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
ND ND 30 ND 37 24 5 30 28 16 NR ND

24Z

Task 16 Prepares subfloors, installs protective edgings and readies area for glue-down carpet installation.

Nat.
Avg.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
ND ND 10 ND 1 12 31 8 5 16 NR ND

12Z

Task 17 Measures, lays out, prepares, cuts, trims, seams, applies adhesive, fits and installs all types of glue-down carpets.

Nat.
Avg.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
ND ND 16 ND 29 20 56 30 20 11 NR ND

26Z

Task 18 Prepares walls, measures, lays out, cuts, trims, seams, applies adhesive, fits and installs all types of wall carpets.

Nat.
Avg.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
ND ND 8 ND 1 4 1 3 1 22 NR ND

6Z

Task 19 Measures, cuts, fits and installs tackless strips, carpet undercushions and all types of carpets to variety of stairs and steps.

Nat.
Avg.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
ND ND 16 ND 3 8 1 5 22 7 NR ND

9Z

Task 20 Measures, cuts, fits, stretches and installs runner carpets to stairs, landings and adjoining hallways and installs all types of glue-down carpets to stairs by glue-down techniques.

Nat.
Avg.

Z NF NS PE NB PQ ON MA SK AB BC NT YK
ND ND 5 ND 1 8 1 7 5 7 NR ND

5Z

Task 21 Prepares subfloors, installs protective edgings, measures areas, establishes layout lines, applies adhesive and installs, fits and cuts all types of modular carpets (carpet tiles).

Z $\frac{NF}{ND}$ $\frac{NS}{ND}$ $\frac{PE}{5}$ $\frac{NB}{ND}$ $\frac{PQ}{3}$ $\frac{ON}{12}$ $\frac{MA}{2}$ $\frac{SK}{7}$ $\frac{AB}{5}$ $\frac{BC}{9}$ $\frac{NT}{NR}$ $\frac{YK}{ND}$

Nat.
Avg.

67

BLOCK F

RESILIENT TILE INSTALLATION

Z $\frac{NF}{ND}$ $\frac{NS}{ND}$ $\frac{PE}{5}$ $\frac{NB}{ND}$ $\frac{PQ}{20}$ $\frac{ON}{10}$ $\frac{MA}{11}$ $\frac{SK}{18}$ $\frac{AB}{8}$ $\frac{BC}{7}$ $\frac{NT}{NR}$ $\frac{YK}{ND}$

Nat.
Avg.

117

Task 22 Prepares and readies all types of subfloors, measures areas and establishes layout lines, selects and applies adhesives to subfloors.

Z $\frac{NF}{ND}$ $\frac{NS}{ND}$ $\frac{PE}{36}$ $\frac{NB}{ND}$ $\frac{PQ}{35}$ $\frac{ON}{30}$ $\frac{MA}{41}$ $\frac{SK}{10}$ $\frac{AB}{35}$ $\frac{BC}{53}$ $\frac{NT}{NR}$ $\frac{YK}{ND}$

Nat.
Avg.

347

Task 23 Installs, cuts and fits all types, sizes and gauges of resilient tiles in variety of residential and commercial buildings.

Z $\frac{NF}{ND}$ $\frac{NS}{ND}$ $\frac{PE}{60}$ $\frac{NB}{ND}$ $\frac{PQ}{63}$ $\frac{ON}{40}$ $\frac{MA}{41}$ $\frac{SK}{78}$ $\frac{AB}{60}$ $\frac{BC}{32}$ $\frac{NT}{NR}$ $\frac{YK}{ND}$

Nat.
Avg.

542

Task 24 Prepares subfloors, measures areas, establishes layout lines, applies primer and/or adhesive and installs, fits and cuts all types, sizes and gauges of conductive resilient floor tiles.

Z $\frac{NF}{ND}$ $\frac{NS}{ND}$ $\frac{PE}{4}$ $\frac{NB}{ND}$ $\frac{PQ}{2}$ $\frac{ON}{30}$ $\frac{MA}{18}$ $\frac{SK}{12}$ $\frac{AB}{5}$ $\frac{BC}{15}$ $\frac{NT}{NR}$ $\frac{YK}{ND}$

Nat.
Avg.

127

BLOCK G

SHEET GOODS INSTALLATION

Z $\frac{NF}{ND}$ $\frac{NS}{ND}$ $\frac{PE}{20}$ $\frac{NB}{ND}$ $\frac{PQ}{19}$ $\frac{ON}{14}$ $\frac{MA}{4}$ $\frac{SK}{22}$ $\frac{AB}{23}$ $\frac{BC}{17}$ $\frac{NT}{NR}$ $\frac{YK}{ND}$

Nat.
Avg.

172

Task 25 Prepares and readies all types of subfloors, measures, lays out, cuts, trims, applies adhesive, seams, fits and installs all types of commercial and residential resilient sheet goods.

Nat.
Avg.

Z	NF	NS	PE	NB	PQ	ON	MA	SK	AB	BC	NT	YK
	NL	ND	80	ND	95	64	25	78	80	50	NR	ND
												67%

Task 26 Installs all types of sheet goods requiring specific seam treatments and/or individualized installation procedures.

Nat.
Avg.

Z	NF	NS	PE	NB	PQ	ON	MA	SK	AB	BC	NT	YK
	ND	ND	20	ND	5	36	75	22	20	50	NR	ND
												33%

BLOCK H SPECIALTY PRODUCT INSTALLATIONS

Nat.
Avg.

Z	NF	NS	PE	NB	PQ	ON	MA	SK	AB	BC	NT	YK
	ND	ND	3	ND	9	11	1	5	5	11	NR	ND
												6%

Task 27 Prepares and readies all types of surfaces, measures, lays out, cuts, trims, fits, seams and installs resilient wall covering products, recreational flooring, sundeck flooring, safety flooring, custom flooring, and other specialty floorcovering materials.

Nat.
Avg.

Z	NF	NS	PE	NB	PQ	ON	MA	SK	AB	BC	NT	YK
	ND	ND	50	ND	95	36	25	66	70	50	NR	ND
												56%

Task 28 Prepares subfloors, measures, lays out, cuts, trims, applies adhesive, seams, fits and installs conductive sheet goods.

Nat.
Avg.

Z	NF	NS	PE	NB	PQ	ON	MA	SK	AB	BC	NT	YK
	ND	ND	25	ND	2	27	0	10	5	20	NR	ND
												13%

Task 29 Prepares areas, measures, lays out, trims, fits, applies adhesive and installs resilient stair covering materials, top-set base and various types or resilient accessory products.

													Nat. Avg.
Z	NF	NS	PE	NB	PQ	ON	MA	SK	AB	BC	NT	YK	
	ND	ND	15	ND	3	19	75	10	20	20	NR	ND	23%

Task 30 Installs pre-finished wood flooring.

													Nat. Avg.
Z	NF	NS	PE	NB	PQ	ON	MA	SK	AB	BC	NT	YK	
	ND	ND	10	ND	0	18	0	14	5	10	NR	ND	8%

BLOCK I

SERVICE WORK

													Nat. Avg.
Z	NF	NS	PE	NB	PQ	ON	MA	SK	AB	BC	NT	YK	
	ND	ND	7	ND	1	8	2	3	8	6	NR	ND	5%

Task 31 Performs service work on commercial and residential carpet installations, replaces damaged or worn out carpets, corrects or adjusts carpet installation discrepancies and repairs or replaces all types of carpets damaged through accidents or otherwise.

													Nat. Avg.
Z	NF	NS	PE	NB	PQ	ON	MA	SK	AB	BC	NT	YK	
	ND	ND	75	ND	70	50	67	55	45	50	NR	ND	59%

Task 32 Performs service work on commercial and residential resilient floorcovering installations, replaces damaged or worn out resilient flooring, corrects or adjusts resilient flooring installation discrepancies and repairs or replaces all types of resilient flooring damaged through accidents or otherwise.

													Nat. Avg.
Z	NF	NS	PE	NB	PQ	ON	MA	SK	AB	BC	NT	YK	
	ND	ND	25	ND	30	50	33	45	55	50	NR	ND	41%

BLOCK J

JOB PLANNING, PREPARATION AND SCHEDULING

Nat.
Avg.

Z	<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
	ND	ND	2	ND	1	7	1	4	4	5	NR	ND

3Z

Task 33 Studies and interprets drawings, specifications and related information.

Nat.
Avg.

Z	<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
	ND	ND	25	ND	90	22	34	29	25	25	NR	ND

36Z

Task 34 Interprets drawings and specifications, studies the extent and type of work involved and evaluates the job site and working conditions.

Nat.
Avg.

Z	<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
	ND	ND	25	ND	3	22	33	29	15	25	NR	ND

22Z

Task 35 Interprets drawings and specifications and determines the types and amounts of materials, accessories and tools required, orders and schedules material deliveries.

Nat.
Avg.

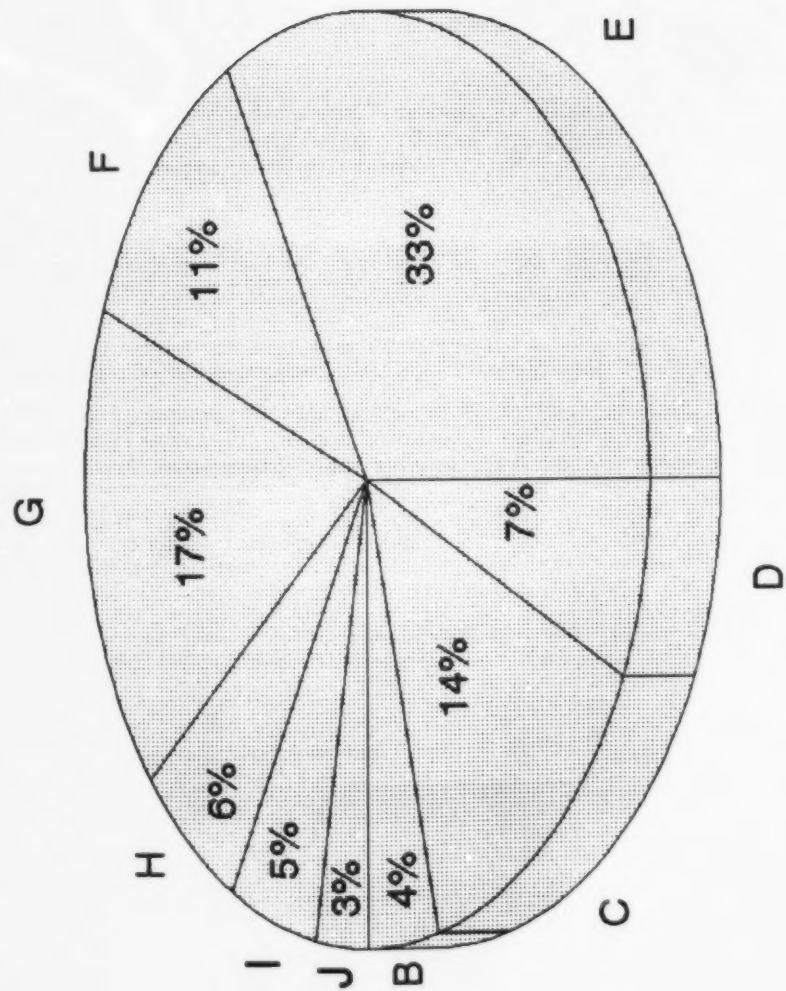
Z	<u>NF</u>	<u>NS</u>	<u>PE</u>	<u>NB</u>	<u>PQ</u>	<u>ON</u>	<u>MA</u>	<u>SK</u>	<u>AB</u>	<u>BC</u>	<u>NT</u>	<u>YK</u>
	ND	ND	50	ND	7	56	33	42	60	50	NR	ND

42Z

BLOCK PERCENTAGES

BLOCK PERCENTAGES*

Floorcovering Installer



*National percentage of time a tradesperson spends performing the tasks in a block on an annual basis, taking into consideration their complexity (importance plus difficulty).

TITLES OF BLOCKS

A	SAFETY AND SAFE WORK PRACTICES**
B	CUSTOMER AND EMPLOYER RELATIONS
C	SUBFLOOR PREPARATION
D	PRODUCT KNOWLEDGE
E	CARPET INSTALLATION
F	RESILIENT TILE INSTALLATION
G	SHEET GOODS INSTALLATION
H	SPECIALTY PRODUCT INSTALLATIONS
I	SERVICE WORK
J	JOB PLANNING, PREPARATION AND SCHEDULING

APPENDIX "D"

** Since safety practices are a mandatory feature of all occupations, they are considered common core, ratings are not required and thus Block A does not appear on the chart.